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**Toxic Potential of Nitroguanidine on  
Reproduction and Fertility in Rats**

(Volume 2 of 2)  
(Part 2)

V.G. Coppes  
C.L. Gomez  
C.B. Clifford  
S. Ferraris  
and D.W. Korte, Jr.

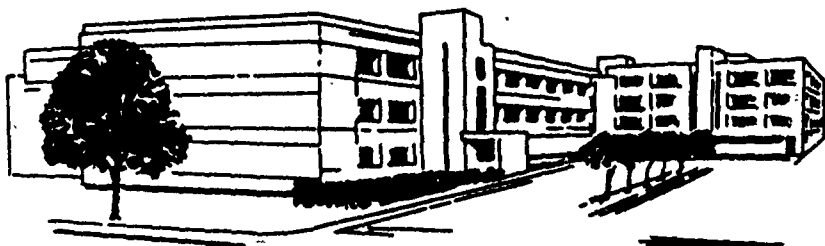
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Division of Toxicology

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Toxicology Series: 223



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*William C. Corby* *9 May '90*  
for DONALD G. CORBY (date)  
COL, MC  
Commander

## REPORT DOCUMENTATION PAGE

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19. ABSTRACT (Continue on reverse if necessary and identify by block number) The potential of nitroguanidine to produce reproductive and fertility toxicity was evaluated in Sprague-Dawley rats. Nitroguanidine was mixed into the diet at 0, 1.3, 4.0, and 12.7 parts per thousand (ppt). In young adult rats these dose levels in ppt approximated the 100, 316, and 1000 mg/kg/day nitroguanidine dose levels in developmental toxicity studies in rats and rabbits. The diet was fed to the parental males and females starting at 56 to 58 days of age and continued throughout their lives and to the F1 and F2 generation animals. Parental males and females were paired for mating. All matings were within the same dose group. The parental males and females that did not breed were euthanized after the mating period. Litters were examined and weighed at 0, 4, 7, 14, and 21 days of age. On day 4 litters of more than 8 pups were culled to 8 remaining pups, 4 males and 4 females if possible. When the pups were weaned at 21 days of age, 1 male and 1 female from each →					
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19 (cont.) <sup>next</sup> litter were selected to continue as parents for the next generation. <sup>animals</sup> Pups not selected and dams were euthanized. When the F<sub>1</sub> animals were 20 weeks <sup>of age</sup> the breeding procedure was repeated. The F<sub>2</sub> pups and dams were euthanized at weaning. Nitroguanidine caused a decrease in some of the weekly body weights in the high dose animals, but the decrease was not consistent throughout the study. Terminal body weights were lower for the high dose F<sub>1</sub> males and females and low dose F<sub>1</sub> females. There were no dose-related effects on clinical signs, mating, fertility, gestation, litter size, pup weights or survival. Histopathological examination of the reproductive organs on adult animals and gross examination of weanlings showed no lesions attributable to nitroguanidine in any of the generations. (EDC)

A



## Appendix O: PATHOLOGY

## GLP Study #87-012

Principal Investigator: Valerie G. Coppes, BS  
 Co-Principal Investigator: Charlotte Gomez  
 Study Pathologist: Charles B. Clifford, DVM, PhD, MAJ, VC

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## I. INTRODUCTION

Study: Reproductive and Fertility Toxicity Test in Rats  
 Test Compound: Nitroguanidine.  
 Animal: Rattus norvegicus, Sprague-Dawley, 5 week, 100-250 gram, Male and Female.

Dosage Groups:

	Dose
Group 1 (Control)	0.0 ppm
Group 2	1.3 ppm
Group 3	4.0 ppm
Group 4	12.7 ppm

Generational Subgroups

Subgroup 1	Parental
Subgroup 2	Offspring (F <sub>1</sub> )

Reference: SOP-OP-STX-79

## II. SUMMARY OF PATHOLOGY PROCEDURES

Euthanasia: Sodium Pentobarbital, Intraperitoneal.  
 Fixative: 10% Neutral Buffered Formalin.  
 Histopathology: Routine.  
 Other Procedures: Terminal Body Weights.



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III. PUPS: Some of the F<sub>1</sub> generation were selected for dosing and to be the parents of the F<sub>2</sub> generation. The remainder of the F<sub>1</sub> generation and all of the F<sub>2</sub> generation were sacrificed at 22 - 24 days of age. Terminal body weight, age at sacrifice, and date of sacrifice were recorded, these data are listed in Pathology Annex A. The first seven characters in a pup's animal identification number are those of the dam, the next character identifies the sex of the pup, and the last one or two characters are the number of the pup in its litter. Gross lesions were observed in only two pups of the 822 examined. 87D0868F2, from the F<sub>2</sub> high dose group, had a focal subcapsular cyst on the middle lobe of the liver. Microscopically, mild subcapsular telangiectasis was observed. 87D0952F4, from the F<sub>2</sub> control group, had yellow-white foci visible on the surface of the liver. Microscopically, although no lesion was observed, subcapsular foci of extramedullary hematopoiesis were especially prominent, and probably accounted for the gross observation.

IV. TERMINAL BODY WEIGHTS (ADULTS): Terminal body weight data are summarized for all females in Pathology Table 1. Pathology Table 2 has terminal body weight data for the parental generation for the females, and Pathology Table 3 has these data for the F<sub>1</sub> generation. Pathology Tables 4, 5 and 6 have similar information from the males. In these and other Pathology Tables, data are listed as being in two Xybian studies on the computer: 87012F for the females; 87012M for the males. Body weight data were analyzed by analysis of variance, and where the F probability was less than 0.05, differences between dosed and control groups were analyzed by Fisher's least significant difference method. In both the males and the females, there was a significant difference in terminal body weight between the high dose groups and the controls, due largely to decreased body weights in the F<sub>1</sub> high dose groups. The F<sub>1</sub> low dose (Group 2) females also had a significant decrease in body weight. No morphologic reason was observed to explain this variation. No other significant differences in terminal body weights were noted, either between generations or among dosage groups.

V. GROSS FINDINGS (ADULTS): Incidence summary reports of gross lesions for all deaths are listed in Pathology Tables 7, 8, and 9 for females and in 10, 11, and 12 for males. Congestion of the liver was observed more frequently in the F<sub>1</sub> generation males than in the parental generation males, but differences among treatment groups were not significant and the change in the frequency of this observation was attributed to changes in necropsy personnel and possibly in stringency of grading criteria. Histologically, these livers were normal. No other differences among treatment groups or between generations were significant.

VI. MICROSCOPIC FINDINGS (ADULTS): Tissues saved for microscopic examination from all groups were: Pituitary gland and gonads from both sexes; uterus and vagina from females; epididymis, seminal vesicle, coagulating gland and prostate gland from males. All lesions noted at gross necropsy were also saved for microscopic examination.

One animal, an F<sub>1</sub> male, 87D00941, from dosage group 2, died on study. Tissues were moderately autolytic and the cause of death was not determined. Data from this animal are included in Pathology Annex C, and in all appropriate Pathology Tables.

All tissues were examined from groups 1 (control) and 4 (high dose). Lesions were graded on a subjective severity scale of 1 = slight, 2 = mild, 3 = moderate, 4 = marked, and 5 = severe.

Pathology Tables 13, 14, and 15 list the incidence summary of all microscopic observations of tissues from all females, parental females, and F<sub>1</sub> females, respectively. Pathology Tables 16, 17, and 18 have similar information from the males. Based on results of Kolmogorov-Smirnov two-tailed analysis (95% confidence level) of microscopic findings, no lesion was significantly more frequent in a treated group than in the control group, from either sex. One lesion, however, lymphocytic inflammation in the prostate, was significantly less frequent in the high dose parental males than in the parental control group, see Pathology Table 17, and was also lower than in the F<sub>1</sub> high dose males, by Fisher's exact two-tailed test (BMDP Statistical Software, Los Angeles, CA). Prostate, therefore, was examined from males in all dosage groups in both generations. Lymphocytic inflammation was observed in prostates of intermediate dose group males from both generations less frequently than in the control groups, and the F<sub>1</sub> high dose males had a slightly higher incidence of this lesion than the F<sub>1</sub> male control group, but none of these differences were significant. Most lesions in the prostate, as well as in other organs, were graded as either slight or mild. Lymphocytic inflammation of the prostate and other accessory sex glands is common finding in rats (1, 2, 3), and considered in this study to be unrelated to treatment. The low incidence in the high dose parental males is considered to be by chance alone, or possible slight change in sampling location or other methodologic variation, and not reflective of a protective effect of nitroguanidine.

No significant differences were observed in the incidence of any lesion in either sex between generations.

Pathology Annex B contains the Individual Animal Reports, with terminal body weight data, and gross and microscopic findings, for all females, organized by dosage group and animal number. Pathology Annex C contains similar information for the males. Pathology Annex D contains a glossary of microscopic diagnoses.

VII. SUMMARY COMMENTS: No lesions were observed in these animals which were attributable to treatment. Lesions which were observed were generally slight to mild, and were considered to be incidental findings of little or no clinical significance.

*Charles B Clifford*

CHARLES B. CLIFFORD, DVM, PhD  
MAJ, VC  
Diplomate, ACVP  
Division of Military Trauma Research  
12 February 1990

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2. Franks, L.M., Normal and Pathological Anatomy of the Genital Tract of Rats and Mice, in Pathology of Laboratory Rats and Mice, (Cotchin, E. and Roe, F.J.C., eds.) Blackwell Scientific Publications, Oxford, 1966, p. 480.
3. Greaves, P. and Faccini, J.M., Rat Histopathology, Elsevier, Amsterdam, 1984, p. 161.

# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAVLEY

Summary Statistics for Terminal Body Weights (kgs)  
Study Number: 87012F  
Report includes all dead animals (All subgroups)  
Study Start Date: 21-Jul-87

PRINTED: 05-Dec-89  
Page: 1

TERATOLOGY/

Controls from group(s): 1		F e m a l e    A n i m a l s		Data non-homogeneous by Bartlett's test (modified t test)	
Control		2	3	4	
Group	60	55	57	52	
Number/group	0.33	0.32	0.32	0.31	
Mean	0.04	0.03	0.04	0.03	
Standard deviation		0.01	0.01	0.01*	
Group diff.2 P=.05		0.02	0.02	0.02*	
Group diff.2 P=.01					

Analysis of variances: F ratio = 3.20 Df = 3/ 220 F probability = 0.024  
Note: a \* indicates group mean is significantly different from control at level of significance shown.

Pathology Table 1  
Maternal Females

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAULEY

Summary Statistics for Terminal Body Weights (kgs)  
Study Number: 87012F  
Report includes all dead animals (Subgroup:  
Study Start Date: 21-Jul-87

PRINTED: 05-Dec-89  
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TERATOLOGY/

Controls from group(s): 1		F e m a l e   A n i m a l s	
Control		2	3
Group	34	35	34
Number/group	34	35	34
Mean	0.31	0.31	0.30
Standard deviation	0.03	0.03	0.03
Group diff. a	P=.05	0.01	0.01
Group diff. a	P=.01	0.02	0.02

Analysis of variance: F ratio = 1.74 Df = 3/ 133 F probability = 0.160  
Note: a \* indicates group mean is significantly different from control at level of significance shown.

Pathology Table 2  
Maternal Females - Parental Generation

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Summary Statistics for Terminal Body Weights (kgs)  
Study Number: 87012F  
Report includes all dead animals (Subgroup:  
Study Start Date: 21-Jul-87

PRINTED: 05-Dec-89  
Page: 1

TERATOLOGY/

Controls from group(s): 1		F e m a l e   A n i m a l s		Data non-homogeneous by Bartlett's test (modified t test)	
Group	Number/group	Control	2	3	4
		26	20	23	18
Mean		0.36	0.33	0.34	0.33
Standard deviation		0.04	0.03	0.04	0.02
Group diff. a	P=.05		0.02*	0.02	0.02*
Group diff. b	P=.01		0.03	0.03	0.03*

Analysis of variance: F ratio = 3.28   Df = 3/ 83   F probability = 0.025  
Note: a \* indicates group mean is significantly different from control at level of significance shown.

Pathology Table 3  
Maternal Females - F1 Generation

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/

Summary Statistics for Terminal Body Weights (kgs)  
Study Number: 87012M  
Report includes all dead animals (All subgroups)  
Study Start Date: 21-Jul-87

PRINTED: 05-Dec-89  
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TERATOLOGY/

Controls from group(s): 1		Male Animals	
		Data homogeneous by Bartlett's test (Fischer's lsd test)	
Group	Control	3	4
Number/group	51	46	42
Mean	0.56	0.55	0.53
Standard deviation	0.06	0.07	0.05
Group diff. a P=.05		0.03	0.03*
Group diff. a P=.01		0.03	0.03

Analysis of variance: F ratio = 2.07 Df = 3/ 183 F probability = 0.104

Note: a \* indicates group mean is significantly different from control at level of significance shown.

Pathology Table 4  
Males

# Appendix O (Cont.): PATHOLOGY

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 RAT/

Summary Statistics for Terminal Body Weights (kgs)  
 Study Number: 87012M  
 Report includes all dead animals (Subgroup:  
 Study Start Date: 21-Jul-87

PRINTED: 05-Dec-89  
 Page: 1

TERATOLOGY/

Controls from group(s): 1		Male Animals	
Control		Data homogeneous by Bartlett's test (Fischer's lsd test)	
Group	Number/group	2	3
	25	25	24
Mean	0.51	0.50	0.51
Standard deviation	0.04	0.04	0.05
Group diff.2 p=.05	0.03	0.03	0.03
Group diff.2 p=.01	0.04	0.04	0.04

Analysis of variance: F ratio = 0.56 Df = 3/ 95 F probability = 0.649  
 Note: \* indicates group mean is significantly different from control at level of significance shown.

Pathology Table 5  
 Males - Parental Generation



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAY/

Summary Statistics for Terminal Body Weights (kgs)  
Study Number: 87012M  
Report includes all dead animals (Subgroup:  
Study Start Date: 21-Jul-87

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TERATOLOGY/

Controls from group(s): 1		Male Animals	
Control		Data homogeneous by Bartlett's test (Fischer's lsd test)	
Group	Number/group	2	3
	26	21	18
Mean	0.61	0.61	0.58
Standard deviation	0.04	0.06	0.04
Group diff. a	P=.05	0.03	0.03
Group diff. a	P=.01	0.04	0.04*

Analysis of variance: F ratio = 3.95 Df = 3/ 84 F probability = 0.011

Note: a \* indicates group mean is significantly different from control at level of significance shown.

Pathology Table 6  
Males - F1 Generation

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
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 RAT/SPRAGUE-DAWLEY

Incidence Summary Report for Gross Necropsy Observations  
 Study Number: 87012F  
 Report includes all dead animals  
 Study Start Date: 21-JUL-87

PRINTED: 05-Dec-89  
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 TERATOLOGY/

-- Females --  
 Ctl's 2 3 4  
 60 55 57 53

LIVER  
 CONGESTED ..... 1 0 1 0  
 WHITE AREAS ON CAPSULE ..... 1 0 2 0

LUNGS  
 WHITE FOCI ..... 0 0 0 1  
 RED FOCI ..... 0 0 1 0

TAIL  
 DIARRHEA STAINING ..... 1 0 2 0

UTERUS  
 INVOLUTION SITES ..... 43 43 41 36  
 FETUS IN UTERUS ..... 0 1 0 3  
 MESOMETRIAL ADHESION ..... 0 1 0 0  
 PARTIALLY RESORBED FETUS ..... 1 1 0 0  
 UNILATERAL APLASIA ..... 1 0 0 0  
 WHITE SPOTS ..... 3 3 3 5

WHOLE BODY  
 NO LESIONS RECOGNIZED ..... 53 50 48 46  
 ENACIATION ..... 0 0 1 1

Pathology Table 7  
 Maternal Females

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAULEY

Incidence Summary Report for Gross Necropsy Observations  
Study Number: 87012F  
Report includes all dead animals  
Study Start Date: 21-Jul-87

PRINTED: 05-Feb-90  
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TERATOLOGY/

-- Females --

Ctls	2	3	4
34	35	34	34

## LIVER

CONGESTED .....	1	0	1	0
WHITE AREAS ON CAPSULE .....	1	0	2	0

## TAIL

DIARRHEA STAINING .....	1	0	2	0
-------------------------	---	---	---	---

## UTERUS

INVOLUTION SITES .....	26	25	25	19
FETUS IN UTERUS .....	0	1	0	2
MESOMETRIAL ADHESION .....	0	1	0	0
PARTIALLY RESORBED FETUS .....	1	1	0	0
UNILATERAL APLASIA .....	1	0	0	0
WHITE SPOTS .....	2	3	2	4

## WHOLE BODY

NO LESIONS RECOGNIZED .....	28	30	27	29
EMACTATION .....	0	0	1	1

Pathology Table 8  
Maternal Females - Parental Generation

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/SPRAGUE-DAWLEY

Incidence Summary Report for Gross Necropsy Observations  
Study Number: 87012F  
Report includes all dead animals  
Study Start Date: 21-Jul-87

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TERATOLOGY/

-- Females --

Ctl's 2 3 4  
26 20 23 19

## LUNGS

WHITE FOCI .. 0 0 0 1  
RED FOCI ..... 0 0 1 0

## UTERUS

INVOLUTION SITES ..... 17 18 16 17  
FETUS IN UTERUS ..... 0 0 0 1  
WHITE SPOTS ..... 1 0 1 1

## WHOLE BODY

NO LESIONS RECOGNIZED ..... 25 20 21 17

Pathology Table 9  
Maternal Females -- F1 Generation

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/

Incidence Summary Report for Gross Necropsy Observations  
Study Number: 87012M  
Report includes all dead animals  
Study Start Date: 21-Jul-87

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	-- Males --				TERATOLOGY/
	Ctls	2	3	4	
	51	46	48	43	
KIDNEY					
CONGESTION	1	0	0	0	
DISCOLORATION	0	0	0	1	
HYDRONEPHROSIS	0	1	0	0	
LIVER					
CONGESTED	4	5	4	2	
LUNGS					
CONGESTION	0	1	0	0	
SPLEEN					
DISCOLORATION	0	0	0	1	
THYMUS					
CONGESTED/RED	0	1	0	0	
WHOLE BODY					
NO LESIONS RECOGNIZED	47	39	44	41	

Pathology Table 10  
Males

# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Incidence Summary Report for Gross Necropsy Observations  
 Study Number: 87012M  
 Report includes all dead animals  
 Study Start Date: 21-Jul-87

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TERATOLOGY/

-- Males --			
Ctls	2	3	4
	25	25	24
WHOLE BODY	25	25	24
NO LESIONS RECOGNIZED	25	25	24

Pathology Table 11  
 Males - Parental Generation

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Incidence Summary Report for Gross Necropsy Observations  
Study Number: 87012M  
Report includes all dead animals  
Study Start Date: 21-Jul-87

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Page: 1

TERATOLOGY/

-- Males --

Ctrl 2 3 4  
26 21 23 19

## KIDNEY

CONGESTION ..... 1 0 0 0  
DISCOLORATION ..... 0 0 0 1  
HYDRONEPHROSIS ..... 0 1 0 0

## LIVER

CONGESTED ..... 4 5 4 2

## LUNGS

CONGESTION ..... 0 1 0 0

## SPLEEN

DISCOLORATION ..... 0 0 0 1

## THYMUS

CONGESTED/RED ..... 0 1 0 0

## WHOLE BODY

NO LESIONS RECOGNIZED ..... 22 14 19 17

Pathology Table 12  
Males - F1 Generation

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
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 RAT/SPRAGUE-DAWLEY

Incidence Summary of Microscopic Observations  
 Study Number: 87012F  
 All Diagnoses  
 Study Start Date: 21-Jul-87

PRINTED: 30-Nov-89  
 Page: 1

Tissues With Diagnoses	-- Animals Affected --		TERATOLOGY/
	Male	Female	
Notes: Animals = all dead animals Controls from group(s): 1			
PITUITARY GLAND	60	0	0
CYST(S)	1	0	0
OVARIES	59	0	0
CYST(S)	5	0	0
HYPERPLASIA, INTERSTITIAL CELL	0	0	0
MINERALIZATION	3	0	0
DECREASED CORPORA LUTEA	0	0	0
UTERUS	60	3	3
PIGMENT IN MACROPHAGES	24	0	0
INFLAMMATION, LYMPHOCYTIC	2	0	2
DILATED LUMEN	0	1	1
LYMPHOID AGGREGATES	1	0	0
HEMORRHAGE/HEMATOMA	0	0	0
INFLAMMATION, SUPPURATIVE	0	0	0
VAGINA	52	0	0
INFLAMMATION, LYMPHOCYTIC	4	0	0
HEMORRHAGE	1	0	0
INFLAMMATION, SUBACUTE	0	0	0
INFLAMMATION, ACUTE, SEROSA	0	0	0
URINARY BLADDER	18	0	0
INFLAMMATION, LYMPHOCYTIC	2	0	0
FETUS	1	0	0
AUTOLYSIS, ASSOCIATED WITH ENDOMETRIAL INFLAMMATION	1	0	0
COLON	1	0	0
SKIN	0	0	0

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

Pathology Table 13  
 Maternal Females



# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Incidence Summary of Microscopic Observations  
Study Number: 87012F  
All Diagnoses  
Study Start Date: 21-Jul-87

PRINTED: 30-Nov-89  
Page: 2

Notes: Animals = all dead animals  
Controls from group(s): 1

Tissues With Diagnoses	-- Animals --		Affected		TERATOLOGY/
	Animal sex:	-- Females --			
	Dosage group:				
	No. in group:				
VULVA		60	55	57	53
INFLAMMATION, LYMPHOCTIC	Number examined:	0	0	0	2
LIVER	Number examined:	1	0	0	1
INJECTION ARTIFACT		1	0	0	0
LUNG	Number examined:	0	0	0	1
ALVEOLAR HISTIOCYTOSIS		0	0	0	1
HEMORRHAGE		0	0	0	1
INFLAMMATION, INTERSTITIAL, SUBACUTE		0	0	0	1

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/SPRAGUE-DAWLEY

Incidence Summary of Microscopic Observations  
 Study Number: 87012F  
 All Diagnoses  
 Study Start Date: 21-Jul-87

PRINTED: 02-Jan-90  
 Page: 1

Notes: Animals = all dead animals Controls from group(s): 1		-- Animals Affected --	
		-- Females --	
Tissues With Diagnoses		Ctls	34
Animal sex:	Dosage group:	2	3
No. in group:		34	34
Number examined:		34	33
PITUITARY GLAND		1	0
CYST(S)			0
OVARIES		33	0
CYST(S)		4	0
HYPERPLASIA, INTERSTITIAL CELL		0	0
MINERALIZATION		1	0
DECREASED CORPORA LUTEA		3	0
UTERUS		34	3
PIGMENT IN MACROPHAGES		15	0
INFLAMMATION, LYMPHOCYTIC		1	0
DILATED LUMEN		0	1
LYMPHOID AGGREGATES		0	0
HEMORRHAGE/HEMATOMA		0	0
INFLAMMATION, SUPPURATIVE		0	0
VAGINA		27	0
INFLAMMATION, LYMPHOCYTIC		1	0
HEMORRHAGE		1	0
INFLAMMATION, SUBACUTE		0	0
INFLAMMATION, ACUTE, SEROSA		0	0
URINARY BLADDER		18	0
INFLAMMATION, LYMPHOCYTIC		2	0
FETUS		1	0
AUTOLYSIS, ASSOCIATED WITH ENDOMETRIAL INFLAMMATION		1	0
COLON		0	0
SKIN		0	0

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

Pathology Table 14  
 Maternal Females - Parental Generation

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

**Incidence Summary of Microscopic Observations**  
**Study Number: 87012F**  
**All Diagnoses**  
**Study Start Date: 21-Jul-87**

PRINTED: 02-Jan-90  
Page: 2

TERATOLOGY/  
All diagnoses  
Study Start Date: 21-Jul-87

Notes: Animals = all dead animals  
Controls from group(s): 1

-- Animals Affected --

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99	1	1	1
100	1	1	1

34	35	34
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Number examined:.....

2000

**VOLVA ..... INFLAMMATION, LYMPHOCYTIC**

0 0 0 1

**LIVER .....Number examined:**  
**INJECTION ARTIFACT**

0001

0001

**LUNG .....Number examined:**

0000

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

**Pathology Table 14**  
**Maternal Females - Parental Generation**

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/SPRAGUE-DAWLEY		Incidence Summary of Microscopic Observations Study Number: 87012F All Diagnoses Study Start Date: 21-Jul-87		PRINTED: 02-Jan-90 Page: 1	
Notes: Animals = all dead animals Controls from group(s): 1		-- Animals Affected --		TERATOLOGY/	
Tissues With Diagnoses		Ctl's		Females	
PITUITARY GLAND		26		20	
CYST(S)		0		0	
OVARIES		26		0	
CYST(S)		1		0	
HYPERPLASIA, INTERSTITIAL CELL		0		0	
MINERALIZATION		2		0	
DECREASED CORPORA LUTEA		0		0	
UTERUS		26		0	
PIGMENT IN MACROPHAGES		9		0	
INFLAMMATION, LYMPHOCYTIC		1		0	
DILATED LUEN		0		0	
LYMPHOID AGGREGATES		1		0	
HEMORRHAGE/HEMATOMA		0		0	
INFLAMMATION, SUPPURATIVE		0		0	
VAGINA		25		0	
INFLAMMATION, LYMPHOCYTIC		3		0	
HEMORRHAGE		0		0	
INFLAMMATION, SUBACUTE		0		0	
INFLAMMATION, ACUTE, SEROSA		0		0	
URINARY BLADDER		0		0	
FETUS		0		0	
COLON		1		0	
SKIN		0		0	

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

Pathology Table 15  
Maternal Females - F1 Generation

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Incidence Summary of Microscopic Observations  
Study Number: 87012F

PRINTED: 02-Jan-90  
Page: 2

All Diagnoses

Study Start Date: 21-Jul-87

TERATOLOGY/

Notes: Animals = all dead animals

Controls from group(s): 1

-- Animals Affected --

-- Females --

Animal sex:  
Dosage group:  
No. in group:

Ctl's 26 20 23 3 4 19

Tissues With Diagnoses

VULVA .....Number examined: 0 0 0 0 0

LIVER .....Number examined: 0 0 0 0 0

LUNG .....Number examined: 0 0 0 0 1

ALVEOLAR HISTIOCYTOSIS  
HEMORRHAGE  
INFLAMMATION, INTERSTITIAL, SUBACUTE

0 0 0 0 1  
0 0 0 0 1  
0 0 0 0 1

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

Pathology Table 15 (Cont.)  
Maternal Females - F1 Generation

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH DIV OF RES SUPP, PATH SERV GP PRESIDIO OF SAN FRANCISCO, CA 94129 RAT/		Incidence Summary of Microscopic Observations Study Number: 87012M All Diagnoses Study Start Date: 21-Jul-87		PRINTED: 30-Nov-89 Page: 1	
Notes: Animals = all dead animals Controls from group(s): 1		-- Animals -- Males --		TERATOLOGY/	
Tissues With Diagnoses		Animal sex: Dosage group: No. in group:			
PITUITARY GLAND		Ctls			
INFLAMMATION, LYMPHOCYTIC		46		0	
CYST(S)		1		0	
		3		0	
		51		48	
		43		43	
TESTIS		50		1	
INFLAMMATION, LYMPHOCYTIC, TUNICA ALBUGINEA		2		0	
DEGENERATION, SEMINIFEROUS TUBULES		10		0	
HYPERPLASIA, INTERSTITIAL CELL		0		0	
EPIDIDYMS		51		1	
INFLAMMATION, LYMPHOCYTIC		17		0	
INFLAMMATION, GRANULOMATOUS		1		0	
INFLAMMATION, SUBACUTE		0		0	
DECREASED SPERMATOZOA		0		0	
EPITHELIAL HYPERPLASIA		0		0	
SEMINAL VESICLE		51		1	
COAGULATING GL.		51		1	
INFLAMMATION, LYMPHOCYTIC		0		0	
PROSTATE		51		45	
INFLAMMATION, LYMPHOCYTIC		26		16	
NECROSIS		2		0	
INFLAMMATION, PURULENT		2		3	
MINERALIZATION		0		1	
HEMORRHAGE		1		0	
		0		1	

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

Pathology Table 16  
Males

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/

Incidence Summary of Microscopic Observations  
Study Number: 87012M  
All Diagnoses  
Study Start Date: 21-Jul-87

PRINTED: 30-Nov-89  
Page: 2

TERATOLOGY/

		-- Animals Affected --	
		-- Males --	
		CtIs	4
Notes: Animals = all dead animals		51	48
Controls from group(s): 1		46	43
Tissues With Diagnoses			
URINARY BLADDER		23	24
INFLAMMATION, LYMPHOCYTIC		0	1
LIVER		5	2
INFLAMMATION, ACUTE		0	0
KIDNEY		1	1
VACUOLATION, EPITHELIUM OF TUBULES		1	0
HYPERPLASIA, EPITHELIUM OF TUBULES		0	0
HYDRONEPHROSIS, UNILATERAL		0	0
SPLEEN		0	1
ADRENAL GLAND		0	0
TRACHEA		0	0
ESOPHAGUS		0	0
THYROID GLAND		0	0
PARATHYROID GL.		0	0
HEART		0	0
AORTA		0	0
LUNG		0	0
ACUTE CONGESTION		0	0
VASCULAR MINERALIZATION		0	0
ALVEOLAR NISTIOCYTOSIS		0	0

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

Pathology Table 16 (Cont.)  
Males

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/

Incidence Summary of Microscopic Observations  
Study Number: 87012M

All Diagnoses

Study Start Date: 21-Jul-87

PRINTED: 30-Nov-89  
Page: 3

TERATOLOGY/

Notes: Animals = all dead animals Controls from group(s): 1		-- Animals Affected --	
		-- Males --	
Tissues With Diagnoses	Animal sex: Dosage group: No. in group:	Ctts	
THYMUS		51	4
ACUTE HEMORRHAGE		46	43
	Number examined:	0	0
		0	0
SALIVARY GLAND	Number examined:	0	0
INTESTINE	Number examined:	0	0

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

Pathology Table 16 (Cont.)  
Males



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/

Incidence Summary of Microscopic Observations  
Study Number: 87012M

PRINTED: 29-Nov-89  
Page: 1

All Diagnoses

Study Start Date: 21-Jul-87

TERATOLOGY/

Notes: Animals = all dead animals Controls from group(s): 1		-- Animals Affected --			
		-- Males --			
Tissues With Diagnoses		Ctl's	25	25	24
PITUITARY GLAND		20	0	0	18
INFLAMMATION, LYMPHOCYTIC		1	0	0	0
CYST(S)		0	0	0	0
TESTIS		24	0	0	24
INFLAMMATION, LYMPHOCYTIC		1	0	0	0
DEGENERATION, SEMINIFEROUS TUBULES		8	0	0	7
HYPERPLASIA, INTERSTITIAL CELL		0	0	0	1
EPIDIDYMUS		25	0	0	24
INFLAMMATION, LYMPHOCYTIC		10	0	0	7
INFLAMMATION, GRANULOMATOUS		1	0	0	4
INFLAMMATION, SUBACUTE		0	0	0	1
DECREASED SPERMATOZOA		0	0	0	1
EPITHELIAL HYPERPLASIA		0	0	0	0
SEMINAL VESICLE		25	0	0	24
COAGULATING GL.		25	0	0	24
INFLAMMATION, LYMPHOCYTIC		0	0	0	0
PROSTATE		25	25	25	24
INFLAMMATION, LYMPHOCYTIC		12	5	6	-3
NECROSIS		2	0	0	0
INFLAMMATION, PURULENT		2	3	4	0
INFLAMMATION, ACUTE		0	1	0	1
MINERALIZATION		1	0	1	0
HEMORRHAGE		0	0	0	0

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

Pathology Table 17  
Males - Parental Generation

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/

Incidence Summary of Microscopic Observations  
Study Number: 87012M  
All Diagnoses

Study Start Date: 21-Jul-87

PRINTED: 29-Nov-89  
Page: 2

TERATOLOGY/

Notes: Animals = all dead animals Controls from group(s): 1		-- Animals Affected --	
		-- Males --	
Tissues With Diagnoses		Ctls	4
		25	25
		25	24
URINARY BLADDER		23	0
INFLAMMATION, LYMPHOCTIC		0	0
		0	1
LIVER		0	0
KIDNEY		0	0
SPLEEN		0	0

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

Pathology Table 17 (Cont.)  
Males - Parental Generation

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/

Incidence Summary of Microscopic Observations  
 Study Number: 87012H  
 All Diagnoses  
 Study Start Date: 21-Jul-87

PRINTED: 29-Nov-89  
 Page: 3

Notes: Animals = all dead animals Controls from group(s): 1		-- Animals Affected --		TERATOLOGY/	
Tissues With Diagnoses		-- Males --			
Animal sex:		Ctls	Males		
Dosage group:		26	21	23	19
No. in group:					
Number examined:					
PITUITARY GLAND		26	0	0	18
INFLAMMATION, LYMPHOCYTIC		0	0	0	0
CYST(S)		3	0	0	1
TESTIS		26	1	0	19
INFLAMMATION, LYMPHOCYTIC		1	0	0	0
DEGENERATION, SEMINIFEROUS TUBULES		2	0	0	3
HYPERPLASIA, INTERSTITIAL CELL		0	0	0	1
EPIDIDYMUS		26	1	0	19
INFLAMMATION, LYMPHOCYTIC		7	0	0	9
INFLAMMATION, GRANULOMATOUS		0	0	0	1
INFLAMMATION, SUBACUTE		0	0	0	1
DECREASED SPERMATOZOA		0	0	0	1
EPITHELIAL HYPERPLASIA		0	0	0	1
SEMINAL VESICLE		26	1	0	19
COAGULATING GL.		26	1	0	19
INFLAMMATION, LYMPHOCYTIC		0	0	0	1
PROSTATE		26	20	23	19
INFLAMMATION, LYMPHOCYTIC		14	11	11	16
NECROSIS		0	0	0	0
INFLAMMATION, PURULENT		0	0	0	0
INFLAMMATION, ACUTE		0	0	0	0
MINERALIZATION		0	0	0	1
HEMORRHAGE		0	0	0	1

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

Pathology Table 18  
 Males - F1 Generation

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/

Incidence Summary of Microscopic Observations  
Study Number: 87012M

All Diagnoses

Study Start Date: 21-Jul-87

PRINTED: 29-Nov-89  
Page: 4

TERATOLOGY/

Notes: Animals = all dead animals Controls from group(s): 1		Animal sex:		-- Animals Affected --	
				-- Males --	
Tissues With Diagnoses		Dosage group:		Ctl's	
		No. in group:		26	
				21	
				3	
				23	
				4	
				19	
URINARY BLADDER		Number examined:		0	
INFLAMMATION, LYMPHOCTIC				0	
LIVER		Number examined:		5	
INFLAMMATION, ACUTE				0	
KIDNEY		Number examined:		1	
VACUOLATION, EPITHELIUM OF TUBULES				1	
HYPERPLASIA, EPITHELIUM OF TUBULES				0	
HYDRONEPHROSIS, UNILATERAL				0	
SPLEEN		Number examined:		0	

Note: Entries flagged with a - (minus) are significantly different from control at the 0.05 level using the Kolmogorov-Smirnov two tailed test.

Pathology Table 18 (Cont.)  
Males - F1 Generation

## Pathology Annex A

### F<sub>1</sub> Dose Group 1 - Females

<u>Animal ID No.</u>	<u>Path Acc. No.</u>	<u>Age/DOB</u>	<u>Wt.</u>	<u>Necropsy Date</u>
87D0421F3	42659	22d/10 Nov 87	41.8 g	2 Dec 87
421F4	42660	22d/10 Nov 87	39.2 g	2 Dec 87
421F8	42661	22d/10 Nov 87	44.4 g	2 Dec 87
425F1	42200	24d/26 Oct 87	68.2 g	19 Nov 87
425F2	42201	24d/26 Oct 87	69.2 g	19 Nov 87
425F4	42202	24d/26 Oct 87	70.0 g	19 Nov 87
437F1	42173	22d/25 Oct 87	47.8 g	16 Nov 87
437F2	42174	22d/25 Oct 87	50.5 g	16 Nov 87
437F6	42175	22d/25 Oct 87	49.5 g	16 Nov 87
442F4	42231	22d/28 Oct 87	42.9 g	19 Nov 87
442F5	42232	22d/28 Oct 87	46.2 g	19 Nov 87
442F7	42233	22d/28 Oct 87	43.4 g	19 Nov 87
422F9	42234	22d/28 Oct 87	45.5 g	19 Nov 87
442F11	42235	22d/28 Oct 87	43.5 g	19 Nov 87
445F1	42239	22d/28 Oct 87	44.6 g	19 Nov 87
445F2	42240	22d/28 Oct 87	42.8 g	19 Nov 87
445F4	42241	22d/28 Oct 87	43.6 g	19 Nov 87
446F3	42679	22d/12 Nov 87	48.7 g	4 Dec 87
446F4	42680	22d/12 Nov 87	51.2 g	4 Dec 87
446F5	42681	22d/12 Nov 87	47.8 g	4 Dec 87
446F8	42682	22d/12 Nov 87	52.9 g	4 Dec 87
446F9	42683	22d/12 Nov 87	47.1 g	4 Dec 87
447F1	42322	22d/29 Oct 87	54.9 g	20 Nov 87
447F2	42323	22d/29 Oct 87	50.1 g	20 Nov 87
447F5	42324	22d/29 Oct 87	53.3 g	20 Nov 87
461F1	42331	22d/29 Oct 87	49.5 g	20 Nov 87
461F2	42332	22d/29 Oct 87	52.0 g	20 Nov 87
472F1	42347	22d/29 Oct 87	43.4 g	20 Nov 87
472F3	42348	22d/29 Oct 87	47.2 g	20 Nov 87
472F7	42349	22d/29 Oct 87	47.2 g	20 Nov 87
479F1	42397	26d/30 Oct 87	58.1 g	25 Nov 87
479F2	42398	26d/30 Oct 87	69.4 g	25 Nov 87
479F5	42399	26d/30 Oct 87	61.1 g	25 Nov 87
484F1	42409	25d/31 Oct 87	56.9 g	25 Nov 87
484F2	42410	25d/31 Oct 87	57.8 g	25 Nov 87
484F4	42411	25d/31 Oct 87	53.6 g	25 Nov 87
496F1	42435	23d/2 Nov 87	55.7 g	25 Nov 87
496F5	42436	23d/2 Nov 87	58.3g	25 Nov 87
498F1	42445	22d/3 Nov 87	45.5 g	25 Nov 87
498F2	42352	20d/3 Nov 87	15.1 g	23 Nov 87
498F3	42446	22d/3 Nov 87	48.6 g	25 Nov 87
507F1	42449	22d/3 Nov 87	61.3 g	25 Nov 87

## Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0507F2	42450	22d/3 Nov 87	48.4 g	25 Nov 87
509F1	42454	22d/3 Nov 87	48.0 g	25 Nov 87
509F3	42455	22d/3 Nov 87	49.2 g	25 Nov 87
509F7	42456	22d/3 Nov 87	43.9 g	25 Nov 87
512F1	42149	22d/8 Nov 87	63.6 g	30 Nov 87
512F3	42150	22d/8 Nov 87	58.3 g	30 Nov 87
520F1	42770	22d/22 Nov 87	49.8 g	14 Dec 87
520F2	42771	22d/22 Nov 87	47.5 g	14 Dec 87
520F6	42772	22d/22 Nov 87	55.0 g	14 Dec 87
523F3	42764	23d/21 Nov 87	39.5 g	14 Dec 87
523F4	42765	23d/21 Nov 87	55.4 g	14 Dec 87
523F7	42766	22d/21 Nov 87	54.0 g	14 Dec 87
525F1	42793	22d/25 Nov 87	47.9 g	17 Dec 87
525F2	42794	22d/25 Nov 87	40.0 g	17 Dec 87
525F7	42795	22d/25 Nov 87	49.3 g	17 Dec 87
542F1	42591	22d/8 Nov 87	50.8 g	30 Nov 87
542F2	42592	22d/8 Nov 87	50.7 g	30 Nov 87
542F5	42593	22d/8 Nov 87	43.3 g	30 Nov 87
545F1	42460	23d/7 Nov 87	56.3 g	30 Nov 87
545F2	42461	23d/7 Nov 87	48.4 g	30 Nov 87
546F2	42594	22d/8 Nov 87	59.6 g	30 Nov 87
550F1	42665	22d/10 Nov 87	33.5 g	2 Dec 87
550F2	42666	22d/10 Nov 87	28.5 g	2 Dec 87
550F4	42667	22d/10 Nov 87	29.0 g	2 Dec 87
551F10	42595	22d/8 Nov 87	52.5 g	30 Nov 87
551F3	42597	22d/8 Nov 87	46.4 g	30 Nov 87
551F7	42598	22d/8 Nov 87	48.9 g	30 Nov 87
551F9	42599	22d/8 Nov 87	49.5 g	30 Nov 87

F<sub>1</sub> Dose Group 2 - Females

87D0424F2	42167	22d/25 Oct 87	38.7 g	16 Nov 87
424F3	42168	22d/25 Oct 87	37.5 g	16 Nov 87
424F6	42169	22d/25 Oct 87	36.1 g	16 Nov 87
448F1	42552	24d/6 Nov 87	56.8 g	30 Nov 87
448F3	42553	24d/6 Nov 87	56.6 g	30 Nov 87
448F7	42554	24d/6 Nov 87	58.2 g	30 Nov 87
449F1	42637	22d/9 Nov 87	50.3 g	1 Dec 87
449F7	42638	22d/9 Nov 87	43.3 g	1 Dec 87
449F10	42639	22d/9 Nov 87	40.7 g	1 Dec 87
452F1	42414	24d/1 Nov 87	72.6 g	25 Nov 87
452F2	42415	24d/1 Nov 87	66.5 g	25 Nov 87
463F1	42227	24d/26 Oct 87	51.5 g	19 Nov 87

### Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0463F2	42228	24d/26 Oct 87	51.6 g	19 Nov 87
463F4	42229	26d/26 Oct 87	49.4 g	19 Nov 87
464F2	42336	22d/29 Oct 87	48.0 g	20 Nov 87
464F3	42337	22d/29 Oct 87	50.4 g	20 Nov 87
473F1	42419	24d/1 Nov 87	56.7 g	25 Nov 87
473F2	42420	24d/1 Nov 87	58.9 g	25 Nov 87
473F4	42421	24d/1 Nov 87	53.8 g	25 Nov 87
475F2	42387	26d/30 Oct 87	68.8 g	25 Nov 87
476F1	42688	22d/15 Nov 87	47.2 g	7 Dec 87
476F2	42689	22d/15 Nov 87	53.9 g	7 Dec 87
476F6	42690	22d/15 Nov 87	53.2 g	7 Dec 87
488F1	42701	22d/18 Nov 87	39.9 g	10 Dec 87
488F2	42702	22d/18 Nov 87	40.9 g	10 Dec 87
488F6	42703	22d/18 Nov 87	38.2 g	10 Dec 87
495F4	42687	24d/13 Nov 87	65.7 g	7 Dec 87
499F1	42558	24d/6 Nov 87	64.7 g	30 Nov 87
499F2	42559	24d/6 Nov 87	59.9 g	30 Nov 87
499F5	42560	24d/6 Nov 87	68.1 g	30 Nov 87
502F2	42570	23d/7 Nov 87	57.4 g	30 Nov 87
502F5	42571	23d/7 Nov 87	62.7 g	30 Nov 87
518F1	42494	23d/4 Nov 87	45.2 g	27 Nov 87
518F7	42495	23d/4 Nov 87	46.8 g	27 Nov 87
518F10	42496	23d/4 Nov 87	49.5 g	27 Nov 87
522F1	42526	22d/5 Nov 87	51.5 g	27 Nov 87
522F3	42527	22d/5 Nov 87	44.3 g	27 Nov 87
522F7	42528	22d/5 Nov 87	45.3 g	27 Nov 87
531F1	42457	22d/8 Nov 87	50.4 g	30 Nov 87
531F2	42610	22d/8 Nov 87	46.0 g	30 Nov 87
534F1	42614	22d/8 Nov 87	39.1 g	30 Nov 87
534F2	42615	22d/8 Nov 87	36.0 g	30 Nov 87
534F6	42616	22d/8 Nov 87	35.6 g	30 Nov 87
536F1	42582	23d/7 Nov 87	52.1 g	30 Nov 87
536F2	42583	23d/7 Nov 87	56.4 g	30 Nov 87
536F5	42584	23d/7 Nov 87	56.2 g	7 Nov 87
549F1	42650	22d/9 Nov 87	55.7 g	1 Dec 87
549F2	42651	22d/9 Nov 87	52.2 g	1 Dec 87
549F4	42652	22d/9 Nov 87	55.2 g	1 Dec 87

## Pathology Annex A

F<sub>1</sub> Dose Group 3 - Females

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0417F1	42458	22d/8 Nov 87	54.3 g	30 Nov 87
417F3	42143	22d/8 Nov 87	54.2 g	30 Nov 87
417F6	42144	22d/8 Nov 87	49.2 g	30 Nov 87
417F9	42145	22d/8 Nov 87	54.1 g	30 Nov 87
420F1	42161	22d/25 Oct 87	45.1 g	16 Nov 87
420F3	42162	22d/25 Oct 87	41.7 g	16 Nov 87
420F7	42163	22d/25 Oct 87	43.3 g	16 Nov 87
432F1	42156	23d/24 Oct 87	48.9 g	16 Nov 87
432F2	42157	23d/24 Oct 87	51.4 g	16 Nov 87
432F4	42158	23d/24 Oct 87	51.9 g	16 Nov 87
435F1	42221	24d/26 Oct 87	60.3 g	19 Nov 87
435F2	42222	24d/26 Oct 87	60.6 g	19 Nov 87
435F5	42223	24d/26 Oct 87	65.3 g	19 Nov 87
443F2	42179	22d/25 Oct 87	54.4 g	16 Nov 87
456F1	42251	22d/28 Oct 87	47.6 g	19 Nov 87
456F2	42252	22d/28 Oct 87	45.2 g	19 Nov 87
456F4	42253	22d/28 Oct 87	48.4 g	19 Nov 87
459F2	42326	22d/29 Oct 87	56.8 g	20 Nov 87
466F1	42373	26d/30 Oct 87	69.9 g	25 Nov 87
466F2	42374	26d/30 Oct 87	68.1 g	25 Nov 87
466F4	42375	26d/30 Oct 87	67.3 g	25 Nov 87
466F6	42376	26d/30 Oct 87	68.8 g	25 Nov 87
469F1	42341	22d/29 Oct 87	46.7 g	20 Nov 87
469F2	42342	22d/29 Oct 87	48.0 g	20 Nov 87
469F5	42343	22d/29 Oct 87	50.8 g	20 Nov 87
471F1	42481	23d/4 Nov 87	49.1 g	27 Nov 87
471F2	42482	23d/4 Nov 87	50.0 g	27 Nov 87
471F4	42483	23d/4 Nov 87	49.7 g	27 Nov 87
471F6	42484	23d/4 Nov 87	48.6 g	27 Nov 87
478F1	42403	25d/31 Oct 87	54.0 g	25 Nov 87
478F3	42404	25d/31 Oct 87	55.1 g	25 Nov 87
478F7	42405	25d/31 Oct 87	58.6 g	25 Nov 87
480F1	42499	22d/5 Nov 87	46.0 g	27 Nov 87
480F2	42500	22d/5 Nov 87	50.8 g	27 Nov 87
480F5	42501	22d/5 Nov 87	49.2 g	27 Nov 87
480F6	42502	22d/5 Nov 87	50.1 g	27 Nov 87
490F1	42430	23d/2 Nov 87	60.1 g	25 Nov 87
490F2	42431	23d/2 Nov 87	55.4 g	25 Nov 87
490F5	42432	23d/2 Nov 87	52.0 g	25 Nov 87



### Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0494F1	42506	22d/5 Nov 87	50.7 g	27 Nov 87
494F2	42507	22d/5 Nov 87	49.4 g	27 Nov 87
508F1	42750	22d/19 Nov 87	51.9 g	11 Dec 87
508F2	42751	22d/19 Nov 87	49.6 g	11 Dec 87
511F2	42564	24d/6 Nov 87	50.3 g	30 Nov 87
511F3	42565	24d/6 Nov 87	44.3 g	30 Nov 87
511F8	42566	24d/6 Nov 87	46.2 g	30 Nov 87
515F1	42575	23d/7 Nov 87	53.7 g	30 Nov 87
515F7	42576	23d/7 Nov 87	51.4 g	30 Nov 87
515F10	42577	23d/7 Nov 87	50.7 g	30 Nov 87
526F1	42643	22d/9 Nov 87	46.2 g	1 Dec 87
526F2	42644	22d/9 Nov 87	43.7 g	1 Dec 87
526F5	42645	22d/9 Nov 87	37.4 g	1 Dec 87
527F1	42755	22d/19 Nov 87	52.8 g	11 Dec 87
527F2	42756	22d/19 Nov 87	50.5 g	11 Dec 87
527F4	42757	22d/19 Nov 87	49.4 g	11 Dec 87
537F5	42600	22d/8 Nov 87	60.2 g	30 Nov 87
537F1	42618	22d/8 Nov 87	40.8 g	30 Nov 87
537F3	42619	22d/8 Nov 87	56.3 g	30 Nov 87
543F1	42776	22d/23 Nov 87	48.0 g	15 Dec 87
543F3	42777	22d/23 Nov 87	50.4 g	15 Dec 87
543F6	42778	22d/23 Nov 87	48.7 g	15 Dec 87
547F1	42465	23d/7 Nov 87	53.2 g	30 Nov 87
547F2	42466	23d/7 Nov 87	53.8 g	30 Nov 87
547F4	42467	23d/7 Nov 87	54.7 g	30 Nov 87

#### F<sub>1</sub> Dose Group 4 - Females

87D0414F1	42672	22d/11 Nov 87	41.7 g	3 Dec 87
414F3	42673	22d/11 Nov 87	40.6 g	3 Dec 87
414F7	42674	22d/11 Nov 87	41.6 g	3 Dec 87
426F1	42206	24d/26 Oct 87	48.0 g	19 Nov 87
426F2	42207	24d/26 Oct 87	44.1 g	19 Nov 87
426F4	42208	24d/26 Oct 87	50.3 g	19 Nov 87
429F1	42213	24d/26 Oct 87	54.7 g	19 Nov 87
429F2	42214	24d/26 Oct 87	60.3 g	19 Nov 87
429F4	42215	24d/26 Oct 87	54.0 g	19 Nov 87
434F2	42217	24d/26 Oct 87	72.2 g	19 Nov 87
450F1	42245	22d/28 Oct 87	39.2 g	19 Nov 87
450F2	42246	22d/28 Oct 87	38.7 g	19 Nov 87
450F6	42247	22d/28 Oct 87	42.3 g	19 Nov 87
467F1	42379	26d/30 Oct 87	63.2 g	25 Nov 87
467F3	42380	26d/30 Oct 87	63.3 g	25 Nov 87
467F5	42381	26d/30 Oct 87	64.8 g	25 Nov 87
467F7	42382	26d/30 Oct 87	62.1 g	25 Nov 87

## Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0477F1	42391	26d/ 30 Oct 87	66.1 g	25 Nov 87
477F2	42392	26d/ 30 Oct 87	62.7 g	25 Nov 87
477F5	42393	26d/30 Oct 87	65.6 g	25 Nov 87
500F1	42424	24d/1 Nov 87	56.1 g	25 Nov 87
500F2	42425	24d/1 Nov 87	63.4 g	25 Nov 87
500F4	42426	24d/1 Nov 87	60.5 g	25 Nov 87
503F2	42697	22d/17 Nov 87	40.9 g	9 Dec 87
503F3	42698	22d/17 Nov 87	39.0 g	9 Dec 87
503F8	42699	22d/17 Nov 87	38.3 g	9 Dec 87
504F1	42488	23d/4 Nov 87	47.1 g	27 Nov 87
504F2	42489	23d/4 Nov 87	47.5 g	27 Nov 87
504F4	42490	23d/4 Nov 87	45.2 g	27 Nov 87
505F1	42440	23d/2 Nov 87	54.5 g	25 Nov 87
505F3	42441	23d/2 Nov 87	54.1 g	25 Nov 87
506F1	42512	22d/5 Nov 87	46.6 g	27 Nov 87
506F2	42513	22d/5 Nov 87	41.5 g	27 Nov 87
506F4	42514	22d/5 Nov 87	44.8 g	27 Nov 87
513F1	42520	22d/5 Nov 87	46.6 g	27 Nov 87
513F2	42521	22d/5 Nov 87	44.9 g	27 Nov 87
513F4	42522	22d/5 Nov 87	45.5 g	27 Nov 87
517F1	42622	22d/8 Nov 87	42.0 g	30 Nov 87
517F2	42623	22d/8 Nov 87	48.7 g	30 Nov 87
517F6	42624	22d/8 Nov 87	48.9 g	30 Nov 87
528F2	42578	23d/7 Nov 87	58.5 g	30 Nov 87
538F1	42602	22d/8 Nov 87	54.4 g	30 Nov 87
538F2	42603	22d/8 Nov 87	51.9 g	30 Nov 87
539F1	42607	22d/8 Nov 87	49.7 g	30 Nov 87
539F2	42608	22d/8 Nov 87	53.7 g	30 Nov 87
539F5	42609	22d/8 Nov 87	49.7 g	30 Nov 87
540F1	42785	22d/24 Nov 87	42.5 g	16 Dec 87
540F2	42786	22d/24 Nov 87	37.9 g	16 Dec 87
540F4	42787	22d/24 Nov 87	41.5 g	16 Dec 87

## Pathology Annex A

### F<sub>1</sub> Dose Group 1 - Males

<u>Animal ID No.</u>	<u>Path Acc. No.</u>	<u>Age/DOB</u>	<u>Wt.</u>	<u>Necropsy Date</u>
87D0421M1	42656	22d/10 Nov 87	47.1 g	2 Dec 87
421M2	42657	22d/10 Nov 87	42.2 g	2 Dec 87
421M4	42658	22d/10 Nov 87	41.1 g	2 Dec 87
425M2	42199	24d/26 Oct 87	79.2 g	19 Nov 87
430M1	42152	23d/24 Oct 87	66.0 g	16 Nov 87
430M2	42153	23d/24 Oct 87	64.3 g	16 Nov 87
431M2	42216	24d/26 Oct 87	62.5 g	19 Nov 87
437M1	42170	22d/25 Oct 87	46.5 g	16 Nov 87
437M2	42171	22d/25 Oct 87	50.5 g	16 Nov 87
437M4	42172	22d/25 Oct 87	38.2 g	16 Nov 87
442M2	42230	22d/28 Oct 87	46.6 g	19 Nov 87
445M1	42236	22d/28 Oct 87	44.0 g	19 Nov 87
445M3	42237	22d/28 Oct 87	45.2 g	19 Nov 87
445M7	42238	22d/28 Oct 87	46.8 g	19 Nov 87
446M2	42678	22d/12 Nov 87	52.3 g	4 Dec 87
447M1	42319	22d/29 Oct 87	53.6 g	20 Nov 87
447M3	42320	22d/29 Oct 87	50.8 g	20 Nov 87
447M7	42321	22d/29 Oct 87	51.9 g	20 Nov 87
461M2	42327	22d/29 Oct 87	48.6 g	20 Nov 87
461M3	42328	22d/29 Oct 87	50.0 g	20 Nov 87
461M5	42329	22d/29 Oct 87	53.8 g	20 Nov 87
461M6	42330	22d/29 Oct 87	49.6 g	20 Nov 87
472M1	42344	22d/29 Oct 87	45.4 g	20 Nov 87
472M2	42345	22d/29 Oct 87	50.9 g	20 Nov 87
472M4	42346	22d/29 Oct 87	55.7 g	20 Nov 87
479M1	42394	26d/30 Oct 87	68.0 g	25 Nov 87
479M2	42395	26d/30 Oct 87	66.0 g	25 Nov 87
479M6	42396	26d/30 Oct 87	68.4 g	25 Nov 87
484M1	42406	25d/31 Oct 87	56.0 g	25 Nov 87
484M3	42407	25d/31 Oct 87	55.8 g	25 Nov 87
484M7	42408	25d/31 Oct 87	60.8 g	25 Nov 87
496M1	42433	23d/2 Nov 87	55.9 g	25 Nov 87
496M2	42434	23d/2 Nov 87	48.1 g	25 Nov 87
498M2	42442	22d/3 Nov 87	51.3 g	25 Nov 87
498M3	42443	22d/3 Nov 87	47.3 g	25 Nov 87
498M8	42444	22d/3 Nov 87	48.3 g	25 Nov 87
507M1	42447	22d/3 Nov 87	64.7 g	25 Nov 87
507M2	42448	22d/3 Nov 87	63.3 g	25 Nov 87
509M1	42451	22d/3 Nov 87	50.4 g	25 Nov 87
509M2	42452	22d/3 Nov 87	50.6 g	25 Nov 87
509M4	42453	22d/3 Nov 87	50.8 g	25 Nov 87

## Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0512M1	42146	22d/8 Nov 87	61.1 g	30 Nov 87
512M2	42147	22d/8 Nov 87	52.8 g	30 Nov 87
512M4	42148	22d/8 Nov 87	57.1 g	30 Nov 87
520M1	42767	22d/22 Nov 87	59.9 g	14 Dec 87
520M2	42768	22d/22 Nov 87	46.1 g	14 Dec 87
520M4	42769	22d/22 Nov 87	50.2 g	14 Dec 87
542M1	42589	22d/8 Nov 87	47.3 g	30 Nov 87
542M2	42590	22d/8 Nov 87	56.0 g	30 Nov 87
545M1	42585	23d/7 Nov 87	56.4 g	30 Nov 87
545M2	42586	23d/7 Nov 87	54.8 g	30 Nov 87
545M6	42587	23d/7 Nov 87	58.3 g	30 Nov 87
545M4	42588	23d/7 Nov 87	56.4 g	30 Nov 87
550M1	42662	22d/10 Nov 87	33.7 g	2 Dec 87
550M2	42663	22d/10 Nov 87	27.9 g	2 Dec 87
550M5	42664	22d/10 Nov 87	29.2 g	2 Dec 87
551M3	42596	22d/8 Nov 87	46.3 g	30 Nov 87
523M1	42762	23d/21 Nov 87	58.8 g	14 Dec 87
523M2	42763	23d/21 Nov 87	57.2 g	14 Dec 87
525M1	42791	22d/25 Nov 87	50.5 g	17 Dec 87
525M2	42792	22d/25 Nov 87	54.7 g	17 Dec 87

## F1 Dose Group 2 -Males

87D0424M1	42164	22d/25 Oct 87	38.0 g	16 Nov 87
424M2	42165	22d/25 Oct 87	41.4 g	16 Nov 87
424M5	42166	22d/25 Oct 87	35.9 g	16 Nov 87
448M1	42549	24d/6 Nov 87	59.1 g	30 Nov 87
448M2	42550	24d/6 Nov 87	59.6 g	30 Nov 87
448M5	42551	24d/6 Nov 87	60.4 g	30 Nov 87
449M1	42634	22d/9 Nov 87	50.4 g	1 Dec 87
449M2	42635	22d/9 Nov 87	48.0 g	1 Dec 87
449M6	42636	22d/9 Nov 87	50.2 g	1 Dec 87
452M1	42412	24d/1 Nov 87	69.4 g	25 Nov 87
452M2	42413	24d/1 Nov 87	69.7 g	25 Nov 87
463M1	42224	24d/26 Oct 87	57.8 g	19 Nov 87
463M2	42225	24d/26 Oct 87	59.2 g	19 Nov 87
463M5	42226	24d/26 Oct 87	50.3 g	19 Nov 87
464M1	42333	22d/29 Oct 87	51.1 g	20 Nov 87
464M2	42334	22d/29 Oct 87	47.2 g	20 Nov 87
464M6	42335	22d/29 Oct 87	51.9 g	20 Nov 87
473M1	42416	24d/1 Nov 87	64.9 g	25 Nov 87
473M2	42417	24d/1 Nov 87	66.0 g	25 Nov 87
473M4	42418	24d/1 Nov 87	61.9 g	25 Nov 87
475M1	42383	26d/30 Oct 87	73.1 g	25 Nov 87

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Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0475M2	42384	26d/30 Oct 87	72.4 g	25 Nov 87
475M4	42385	26d/30 Oct 87	71.9 g	25 Nov 87
475M5	42386	25d/30 Oct 87	68.1 g	25 Nov 87
476M1	42691	22d/15 Nov 87	57.4 g	7 Dec 87
476M2	42692	22d/15 Nov 87	55.1 g	7 Dec 87
488M1	42704	22d/18 Nov 87	44.0 g	10 Dec 87
488M2	42705	22d/18 Nov 87	37.8 g	10 Dec 87
488M4	42706	22d/18 Nov 87	39.7 g	10 Dec 87
499M1	42555	24d/6 Nov 87	66.1 g	30 Nov 87
499M7	42556	24d/6 Nov 87	59.2 g	30 Nov 87
499M10	42557	24d/6 Nov 87	62.7 g	30 Nov 87
501M2	42508	22d/5 Nov 87	58.6 g	27 Nov 87
502M1	42567	23d/7 Nov 87	62.2 g	30 Nov 87
502M3	42568	23d/7 Nov 87	62.8 g	30 Nov 87
502M7	42569	23d/7 Nov 87	63.2 g	30 Nov 87
518M1	42491	23d/4 Nov 87	45.2 g	27 Nov 87
518M2	42492	23d/4 Nov 87	50.9 g	27 Nov 87
518M4	42493	23d/4 Nov 87	50.8 g	27 Nov 87
522M1	42523	22d/5 Nov 87	43.8 g	27 Nov 87
522M2	42524	22d/5 Nov 87	47.9 g	27 Nov 87
522M5	42525	22d/5 Nov 87	45.5 g	27 Nov 87
531M2	42625	22d/8 Nov 87	49.2 g	30 Nov 87
531M3	42626	22d/8 Nov 87	50.3 g	30 Nov 87
531M6	42627	22d/8 Nov 87	47.7 g	30 Nov 87
531M7	42628	22d/8 Nov 87	49.8 g	30 Nov 87
533M5	42646	22d/9 Nov 87	39.1 g	1 Dec 87
534M1	42611	22d/8 Nov 87	36.8 g	30 Nov 87
534M2	42612	22d/8 Nov 87	40.9 g	30 Nov 87
534M4	42613	22d/8 Nov 87	39.9 g	30 Nov 87
536M1	42579	23d/7 Nov 87	53.2 g	30 Nov 87
536M2	42580	23d/7 Nov 87	51.6 g	30 Nov 87
536M4	42581	23d/7 Nov 87	54.1 g	30 Nov 87
549M1	42647	22d/9 Nov 87	53.3 g	1 Dec 87
549M3	42648	22d/9 Nov 87	52.7 g	1 Dec 87
549M7	42649	22d/9 Nov 87	55.8 g	1 Dec 87

## Pathology Annex A

F<sub>1</sub> Dose Group 3 -Males

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0417M1	42468	22d/8 Nov 87	49.6 g	30 Nov 87
417M2	42802	22d/8 Nov 87	56.4 g	30 Nov 87
420M1	42159	22d/25 Oct 87	45.3 g	16 Nov 87
420M2	42160	22d/25 Oct 87	39.6 g	16 Nov 87
427M4	42209	24d/26 Oct 87	81.0 g	19 Nov 87
432M1	42154	23d/24 Oct 87	50.5 g	16 Nov 87
432M9	42155	23d/24 Oct 87	47.6 g	16 Nov 87
435M1	42218	24d/26 Oct 87	64.2 g	19 Nov 87
435M2	42219	24d/26 Oct 87	65.4 g	19 Nov 87
435M4	42220	24d/26 Oct 87	63.4 g	19 Nov 87
443M1	42176	22d/25 Oct 87	58.5 g	16 Nov 87
443M2	42177	22d/25 Oct 87	58.8 g	16 Nov 87
443M4	42178	22d/25 Oct 87	54.5 g	16 Nov 87
456M1	42248	22d/28 Oct 87	45.3 g	19 Nov 87
456M2	42249	22d/28 Oct 87	41.6 g	19 Nov 87
456M4	42250	22d/28 Oct 87	45.9 g	19 Nov 87
459M2	42325	22d/29 Oct 87	58.3 g	20 Nov 87
466M1	42371	26d/30 Oct 87	69.6 g	25 Nov 87
466M2	42372	26d/30 Oct 87	74.8 g	25 Nov 87
469M1	42338	22d/29 Oct 87	48.2 g	20 Nov 87
469M7	42339	22d/29 Oct 87	47.4 g	20 Nov 87
469M10	42340	22d/29 Oct 87	49.6 g	20 Nov 87
471M1	42479	23d/4 Nov 87	55.9 g	27 Nov 87
471M2	42480	23d/4 Nov 87	58.0 g	27 Nov 87
478M2	42400	25d/31 Oct 87	54.9 g	25 Nov 87
478M3	42401	25d/31 Oct 87	63.9 g	25 Nov 87
478M5	42402	25d/31 Oct 87	63.0 g	25 Nov 87
480M1	42497	22d/5 Nov 87	49.7 g	27 Nov 87
480M2	42498	22d/5 Nov 87	50.0 g	27 Nov 87
490M1	42427	23d/2 Nov 87	55.0 g	25 Nov 87
490M2	42428	23d/2 Nov 87	62.4 g	25 Nov 87
490M6	42429	23d/2 Nov 87	62.6 g	25 Nov 87
494M1	42503	22d/5 Nov 87	52.4 g	27 Nov 87
494M2	42504	22d/5 Nov 87	52.6 g	27 Nov 87
494M4	42505	22d/5 Nov 87	48.7 g	27 Nov 87
508M2	42749	22d/19 Nov 87	49.2 g	11 Dec 87
511M1	42561	24d/6 Nov 87	51.1 g	30 Nov 87
511M2	42562	24d/6 Nov 87	46.4 g	30 Nov 87
511M4	42563	24d/6 Nov 87	52.6 g	30 Nov 87
515M1	42572	23d/7 Nov 87	50.5 g	30 Nov 87

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Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0515M2	42573	23d/7 Nov 87	48.2 g	30 Nov 87
515M5	42574	23d/7 Nov 87	55.1 g	30 Nov 87
526M1	42640	22d/9 Nov 87	47.6 g	1 Dec 87
526M2	42641	22d/9 Nov 87	53.3 g	1 Dec 87
526M4	42642	22d/9 Nov 87	47.2 g	1 Dec 87
527M2	42752	22d/19 Nov 87	55.5 g	11 Dec 87
527M3	42753	22d/19 Nov 87	50.2 g	11 Dec 87
527M8	42754	22d/19 Nov 87	57.9 g	11 Dec 87
537M2	42617	22d/8 Nov 87	50.1 g	30 Nov 87
543M5	42775	22d/23 Nov 87	49.1 g	15 Dec 87
547M1	42462	23d/7 Nov 87	55.6 g	30 Nov 87
547M2	42463	23d/7 Nov 87	60.3 g	30 Nov 87
547M5	42464	23d/7 Nov 87	55.3 g	30 Nov 87

### F<sub>1</sub> Dose Group 4 -Males

87D0414M1	42669	22d/11 Nov 87	43.4 g	3 Dec 87
414M2	42670	22d/11 Nov 87	46.1 g	3 Dec 87
414M4	42671	22d/11 Nov 87	44.6 g	3 Dec 87
426M1	42203	24d/26 Oct 87	54.5 g	19 Nov 87
426M2	42204	24d/26 Oct 87	50.0 g	19 Nov 87
426M5	42205	24d/26 Oct 87	56.8 g	19 Nov 87
429M1	42210	24d/26 Oct 87	61.7 g	19 Nov 87
429M3	42211	24d/26 Oct 87	55.2 g	19 Nov 87
429M7	42212	24d/26 Oct 87	59.8 g	19 Nov 87
450M1	42242	22d/28 Oct 87	44.0 g	19 Nov 87
450M2	42243	22d/28 Oct 87	45.7 g	19 Nov 87
450M6	42244	22d/28 Oct 87	40.2 g	19 Nov 87
467M1	42377	26d/30 Oct 87	66.7 g	25 Nov 87
467M2	42378	26d/30 Oct 87	62.4 g	25 Nov 87
477M2	42388	26d/30 Oct 87	72.2 g	25 Nov 87
477M3	42389	26d/30 Oct 87	69.0 g	25 Nov 87
477M8	42390	26d/30 Oct 87	64.6 g	25 Nov 87
500M1	42422	24d/1 Nov 87	63.9 g	25 Nov 87
500M2	42423	24d/1 Nov 87	57.4 g	25 Nov 87
503M1	42694	22d/17 Nov 87	41.4 g	9 Dec 87
503M2	42695	22d/17 Nov 87	37.1 g	9 Dec 87
503M5	42696	22d/17 Nov 87	40.0 g	9 Dec 87
504M1	42485	23d/4 Nov 87	51.1 g	27 Nov 87
504M2	42486	23d/4 Nov 87	47.2 g	27 Nov 87
504M5	42487	23d/4 Nov 87	48.9 g	27 Nov 87
505M1	42437	23d/2 Nov 87	53.9 g	25 Nov 87
505M2	42438	23d/2 Nov 87	50.8 g	25 Nov 87

## Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt	Necropsy Date
87D0505M6	42439	23d/2 Nov 87		
506M1	42509	22d/5 Nov 87	63.5 g	25 Nov 87
506M2	42510	22d/5 Nov 87	45.2 g	27 Nov 87
506M4	42511	22d/5 Nov 87	47.9 g	27 Nov 87
510M1	42515	22d/5 Nov 87	45.9 g	27 Nov 87
510M2	42516	22d/5 Nov 87	44.2 g	27 Nov 87
513M1	42517	22d/5 Nov 87	46.7 g	27 Nov 87
513M2	42518	22d/5 Nov 87	50.4 g	27 Nov 87
513M4	42519	22d/5 Nov 87	51.4 g	27 Nov 87
517M1	42459	22d/5 Nov 87	48.6 g	27 Nov 87
517M2	42620	22d/8 Nov 87	55.0 g	27 Nov 87
517M5	42621	22d/8 Nov 87	47.2 g	30 Nov 87
538M4	42601	22d/8 Nov 87	52.7 g	30 Nov 87
539M1	42604	22d/8 Nov 87	54.4 g	30 Nov 87
539M2	42605	22d/8 Nov 87	48.6 g	30 Nov 87
539M4	42606	22d/8 Nov 87	49.9 g	30 Nov 87
540M1	42782	22d/8 Nov 87	52.8 g	30 Nov 87
540M2	42783	22d/24 Nov 87	43.2 g	30 Nov 87
540M5	42784	22d/24 Nov 87	43.9 g	16 Dec 87
			45.9 g	16 Dec 87

## F2 Dose Group 1 - Females

87D0814F1	43239	24d/8 Apr 88		
814F7	43240	24d/8 Apr 88	54.4 g	2 May 88
814F9	43241	24d/8 Apr 88	55.3 g	2 May 88
814F10	43242	24d/8 Apr 88	63.0 g	2 May 88
822F5	43212	24d/8 Apr 88	59.0 g	2 May 88
830F1	43611	22d/7 Apr 88	44.9 g	2 May 88
830F2	43612	22d/25 Apr 88	46.0 g	29 Apr 88
830F3	43613	22d/25 Apr 88	46.6 g	17 May 88
830F4	43614	22d/25 Apr 88	45.1 g	17 May 88
848F2	43295	22d/25 Apr 88	45.1 g	17 May 88
848F3	43296	23d/9 Apr 88	51.3 g	17 May 88
848F4	43297	23d/9 Apr 88	50.9 g	2 May 88
848F8	43298	23d/9 Apr 88	51.4 g	2 May 88
858F1	43318	23d/9 Apr 88	52.1 g	2 May 88
858F5	43319	23d/10 Apr 88	61.3 g	2 May 88
858F7	43320	23d/10 Apr 88	58.0 g	3 May 88
862F1	43326	23d/10 Apr 88	63.4 g	3 May 88
862F2	43327	23d/10 Apr 88	52.1 g	3 May 88
862F3	43328	23d/10 Apr 88	57.8 g	3 May 88
862F4	43329	23d/10 Apr 88	44.6 g	3 May 88
			57.1 g	3 May 88



### Pathology Annex A

<u>Animal ID No.</u>	<u>Path Acc. No.</u>	<u>Age/DOB</u>	<u>Wt.</u>	<u>Necropsy Date</u>
87D0872F1	43341	23d/10 Apr 88	64.1 g	3 May 88
872F2	43342	23d/10 Apr 88	59.2 g	3 May 88
872F3	43343	23d/10 Apr 88	65.8 g	3 May 88
872F4	43344	23d/10 Apr 88	64.7 g	3 May 88
876F1	43364	22d/11 Apr 88	50.0 g	3 May 88
876F2	43365	22d/11 Apr 88	49.7 g	3 May 88
876F4	43366	22d/11 Apr 88	50.6 g	3 May 88
878F1	43495	22d/14 Apr 88	50.2 g	6 May 88
878F2	43496	22d/14 Apr 88	52.7 g	6 May 88
878F5	43497	22d/14 Apr 88	47.0 g	6 May 88
878F6	43498	22d/14 Apr 88	55.4 g	6 May 88
922F1	43620	22d/26 Apr 88	57.9 g	18 May 88
922F2	43621	22d/26 Apr 88	49.8 g	18 May 88
922F3	43622	22d/26 Apr 88	49.9 g	18 May 88
922F4	43623	22d/26 Apr 88	49.3 g	18 May 88
940F1	43449	22d/12 Apr 88	36.0 g	4 May 88
940F3	43450	22d/12 Apr 88	36.1 g	4 May 88
940F4	43451	22d/12 Apr 88	38.2 g	4 May 88
952F1	43676	22d/1 May 88	58.9 g	23 May 88
952F2	43677	22d/1 May 88	56.3 g	23 May 88
*952F6	43679	22d/1 May 88	35.4 g	23 May 88
956F1	43518	22d/14 Apr 88	46.2 g	6 May 88
956F2	43519	22d/14 Apr 88	45.3 g	6 May 88
956F6	43520	22d/14 Apr 88	43.2 g	6 May 88
970F2	43524	22d/14 Apr 88	59.6 g	6 May 88
970F4	43525	22d/14 Apr 88	60.0 g	6 May 88
972F1	43531	22d/14 Apr 88	46.8 g	6 May 88
972F3	43532	22d/14 Apr 88	48.2 g	6 May 88
972F5	43533	22d/14 Apr 88	49.5 g	6 May 88
972F7	43534	22d/14 Apr 88	50.6 g	6 May 88
*952F4	43678 - gross lesions observed, separate report			

## Pathology Annex A

F<sub>2</sub> Dose Group 2 - Females

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0808F1	43414	22d/12 Apr 88	40.6 g	4 May 88
808F2	43415	22d/12 Apr 88	38.3 g	4 May 88
808F3	43416	22d/12 Apr 88	39.8 g	4 May 88
808F4	43417	22d/12 Apr 88	41.9 g	4 May 88
844F1	43632	22d/27 Apr 88	46.8 g	19 May 88
844F4	43633	22d/27 Apr 88	58.8 g	19 May 88
854F1	43269	24d/8 Apr 88	64.0 g	2 May 88
854F2	43270	24d/8 Apr 88	61.4 g	2 May 88
854F4	43271	24d/8 Apr 88	61.9 g	2 May 88
854F7	43272	24d/8 Apr 88	63.6 g	2 May 88
864F1	43430	22d/12 Apr 88	61.5 g	4 May 88
864F2	43431	22d/12 Apr 88	63.3 g	4 May 88
866F1	43334	23d/10 Apr 88	58.7 g	3 May 88
866F2	43335	23d/10 Apr 88	54.0 g	3 May 88
866F4	43336	23d/10 Apr 88	58.7 g	3 May 88
*868F2	43434	22d/12 Apr 88	70.6 g	4 May 88
886F1	43602	22d/24 Apr 88	53.3 g	16 May 88
886F2	43603	22d/24 Apr 88	53.3 g	16 May 88
886F4	43604	22d/24 Apr 88	51.9 g	16 May 88
886F5	43605	22d/24 Apr 88	49.8 g	16 May 88
892F1	43503	22d/14 Apr 88	45.6 g	6 May 88
892F3	43504	22d/14 Apr 88	52.6 g	6 May 88
892F4	43505	22d/14 Apr 88	46.6 g	6 May 88
902F1	43384	22d/11 Apr 88	44.2 g	3 May 88
904F1	43511	22d/14 Apr 88	41.2 g	6 May 88
904F3	43512	22d/14 Apr 88	53.2 g	6 May 88
908F1	43399	22d/11 Apr 88	46.9 g	3 May 88
908F2	43400	22d/11 Apr 88	48.1 g	3 May 88
908F3	43401	22d/11 Apr 88	42.3 g	3 May 88
914F1	43639	22d/27 Apr 88	37.3 g	19 May 88
914F2	43640	22d/27 Apr 88	38.6 g	19 May 88
914F6	43641	22d/27 Apr 88	36.9 g	19 May 88
926F1	43405	22d/11 Apr 88	46.7 g	3 May 88
926F2	43406	22d/11 Apr 88	47.7 g	3 May 88
928F1	43545	24d/15 Apr 88	55.1 g	9 May 88
928F2	43546	24d/15 Apr 88	54.0 g	9 May 88
928F5	43547	24d/15 Apr 88	60.1 g	9 May 88
928F6	43548	24d/15 Apr 88	57.5 g	9 May 88
942F1	43457	22d/12 Apr 88	45.3 g	4 May 88
942F6	43458	22d/12 Apr 88	49.4 g	4 May 88
948F1	43469	22d/13 Apr 88	47.8 g	5 May 88
948F2	43470	22d/13 Apr 88	52.3 g	5 May 88
948F3	43471	22d/13 Apr 88	49.7 g	5 May 88
*868F2	43434 - gross lesions observed, separate report			

### Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0948F4	43472	22d/13 Apr 88	41.2 g	5 May 88
960F1	43478	22d/13 Apr 88	46.6 g	5 May 88
960F2	43479	22d/13 Apr 88	48.3 g	5 May 88
960F3	43480	22d/13 Apr 88	47.9 g	5 May 88
960F4	43481	22d/13 Apr 88	42.7 g	5 May 88
964F1	43485	22d/13 Apr 88	51.2 g	5 May 88
964F8	43486	22d/13 Apr 88	53.9 g	5 May 88

### F<sub>2</sub> Dose Group 3 - Females

87D0804F2	43287	23d/9 Apr 88	58.0 g	2 May 88
804F3	43288	23d/9 Apr 88	66.8 g	2 May 88
804F8	43289	23d/9 Apr 88	53.8 g	2 May 88
812F1	43233	24d/8 Apr 88	58.2 g	2 May 88
826F2	43571	23d/17 Apr 88	46.3 g	10 May 88
826F3	43572	23d/17 Apr 88	42.7 g	10 May 88
826F4	43573	23d/17 Apr 88	48.6 g	10 May 88
826F8	43574	23d/17 Apr 88	52.1 g	10 May 88
836F1	43247	24d/8 Apr 88	68.2 g	2 May 88
836F3	43248	24d/8 Apr 88	62.3 g	2 May 88
836F4	43249	24d/8 Apr 88	62.6 g	2 May 88
846F3	43255	24d/8 Apr 88	57.4 g	2 May 88
846F4	43256	24d/8 Apr 88	59.3 g	2 May 88
846F8	43257	24d/8 Apr 88	57.6 g	2 May 88
882F1	43372	22d/11 Apr 88	45.8 g	3 May 88
882F2	43373	22d/11 Apr 88	45.6 g	3 May 88
882F4	43374	22d/11 Apr 88	46.3 g	3 May 88
882F5	43375	22d/11 Apr 88	46.2 g	3 May 88
890F1	43379	22d/11 Apr 88	61.1 g	3 May 88
890F4	43380	22d/11 Apr 88	57.1 g	3 May 88
890F6	43381	22d/11 Apr 88	60.1 g	3 May 88
906F2	43390	22d/11 Apr 88	49.6 g	3 May 88
906F6	43391	22d/11 Apr 88	49.4 g	3 May 88
906F7	43392	22d/11 Apr 88	51.8 g	3 May 88
906F8	43393	22d/11 Apr 88	46.3 g	3 May 88
910F1	43663	22d/28 Apr 88	45.9 g	20 May 88
910F2	43664	22d/28 Apr 88	38.7 g	20 May 88
910F4	43665	22d/28 Apr 88	42.2 g	20 May 88
910F5	43666	22d/28 Apr 88	42.3 g	20 May 88
918F1	43439	22d/12 Apr 88	56.8 g	4 May 88
918F2	43440	22d/12 Apr 88	55.4 g	4 May 88
918F3	43441	22d/12 Apr 88	59.2 g	4 May 88
918F4	43442	22d/12 Apr 88	57.4 g	4 May 88

## Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0920F1	43564	23d/16 Apr 88	57.0 g	9 May 88
920F6	43565	23d/16 Apr 88	68.2 g	9 May 88
930F1	43671	23d/30 Apr 88	60.5 g	23 May 88
944F1	43554	24d/15 Apr 88	57.5 g	9 May 88
944F2	43555	24d/15 Apr 88	48.8 g	9 May 88
944F3	43556	24d/15 Apr 88	49.2 g	9 May 88
944F4	43557	24d/15 Apr 88	48.2 g	9 May 88
968F1	43685	22d/1 May 88	53.3 g	23 May 88
968F4	43686	22d/1 May 88	53.7 g	23 May 88
968F6	43687	22d/1 May 88	47.7 g	23 May 88
968F8	43688	22d/1 May 88	55.1 g	23 May 88

F<sub>2</sub> Dose Group 4 - Females

87D0816F1	43207	22d/7 Apr 88	50.5 g	29 Apr 88
816F2	43208	22d/7 Apr 88	54.1 g	29 Apr 88
816F3	43209	22d/7 Apr 88	54.6 g	29 Apr 88
816F4	43210	22d/7 Apr 88	59.1 g	29 Apr 88
820F1	43537	24d/15 Apr 88	60.6 g	9 May 88
820F2	43538	24d/15 Apr 88	62.4 g	9 May 88
824F1	43423	22d/12 Apr 88	44.0 g	4 May 88
824F2	43424	22d/12 Apr 88	44.8 g	4 May 88
824F3	43425	22d/12 Apr 88	46.8 g	4 May 88
824F4	43426	22d/12 Apr 88	46.2 g	4 May 88
834F1	43219	22d/7 Apr 88	50.1 g	29 Apr 88
834F2	43220	22d/7 Apr 88	51.7 g	29 Apr 88
834F3	43221	22d/7 Apr 88	49.8 g	29 Apr 88
852F2	43261	24d/8 Apr 88	50.2 g	2 May 88
852F4	43262	24d/8 Apr 88	44.5 g	2 May 88
852F6	43263	24d/8 Apr 88	43.9 g	2 May 88
852F10	43264	24d/8 Apr 88	48.8 g	2 May 88
856F1	43279	24d/8 Apr 88	56.4 g	2 May 88
856F2	43280	24d/8 Apr 88	47.4 g	2 May 88
856F3	43281	24d/8 Apr 88	54.4 g	2 May 88
868F1	43433	22d/12 Apr 88	74.9 g	4 May 88
874F2	43593	22d/24 Apr 88	49.3 g	16 May 88
874F3	43594	22d/24 Apr 88	48.3 g	16 May 88
874F4	43595	22d/24 Apr 88	50.6 g	16 May 88
874F8	43596	22d/24 Apr 88	49.8 g	16 May 88
884F1	43350	23d/10 Apr 88	53.8 g	3 May 88
884F2	43351	23d/10 Apr 88	53.0 g	3 May 88
884F4	43352	23d/10 Apr 88	55.8 g	3 May 88

### Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0884F5	43353	23d/10 Apr 88	53.9 g	3 May 88
894F1	43579	22d/18 Apr 88	46.6 g	10 May 88
894F2	43580	22d/18 Apr 88	40.2 g	10 May 88
894F5	43581	22d/18 Apr 88	43.9 g	10 May 88
894F6	43582	22d/18 Apr 88	46.4 g	10 May 88
898F1	43357	23d/10 Apr 88	59.6 g	3 May 88
898F2	43358	23d/10 Apr 88	65.9 g	3 May 88
898F3	43359	23d/10 Apr 88	59.0 g	3 May 88
934F1	43647	22d/27 Apr 88	44.1 g	19 May 88
934F2	43648	22d/27 Apr 88	46.2 g	19 May 88
934F3	43649	22d/27 Apr 88	42.6 g	19 May 88
934F4	43650	22d/27 Apr 88	43.8 g	19 May 88

### F2 Dose Group 1 -Males

87D0814M1	43235	24d/8 Apr 88	53.1 g	2 May 88
814M2	43236	24d/8 Apr 88	55.7 g	2 May 88
814M3	43237	24d/8 Apr 88	64.6 g	2 May 88
814M4	43238	24d/8 Apr 88	57.5 g	2 May 88
830M1	43607	22d/25 Apr 88	45.3 g	17 May 88
830M2	43608	22d/25 Apr 88	35.0 g	17 May 88
830M5	43609	22d/25 Apr 88	40.3 g	17 May 88
830M6	43610	22d/25 Apr 88	49.3 g	17 May 88
848M1	43291	23d/9 Apr 88	55.8 g	2 May 88
848M2	43292	23d/9 Apr 88	47.6 g	2 May 88
848M4	43293	23d/9 Apr 88	56.2 g	2 May 88
848M5	43294	23d/9 Apr 88	54.4 g	2 May 88
858M2	43315	23d/10 Apr 88	58.6 g	3 May 88
858M5	43316	23d/10 Apr 88	61.8 g	3 May 88
858M6	43317	23d/10 Apr 88	59.9 g	3 May 88
862M2	43322	23d/10 Apr 88	63.7 g	3 May 88
862M3	43323	23d/10 Apr 88	57.0 g	3 May 88
862M4	43324	23d/10 Apr 88	53.2 g	3 May 88
862M6	43325	23d/10 Apr 88	57.2 g	3 May 88
872M1	43338	23d/10 Apr 88	60.5 g	3 May 88
872M2	43339	23d/10 Apr 88	67.4 g	3 May 88
872M3	43340	23d/10 Apr 88	62.3 g	3 May 88
876M2	43361	22d/11 Apr 88	55.3 g	3 May 88
876M3	43362	22d/11 Apr 88	46.8 g	3 May 88
876M4	43363	22d/11 Apr 88	52.1 g	3 May 88
878M1	43491	22d/14 Apr 88	54.8 g	6 May 88
878M2	43492	22d/14 Apr 88	56.2 g	6 May 88
878M3	43493	22d/14 Apr 88	53.4 g	6 May 88
878M4	43494	22d/14 Apr 88	58.7 g	6 May 88

## Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0922M2	43617	22d/26 Apr 88	52.8 g	18 May 88
922M3	43618	22d/26 Apr 88	52.9 g	18 May 88
922M4	43619	22d/26 Apr 88	51.0 g	18 May 88
940M2	43444	22d/12 Apr 88	37.3 g	4 May 88
940M3	43445	22d/12 Apr 88	36.3 g	4 May 88
940M6	43446	22d/12 Apr 88	34.1 g	4 May 88
940M7	43447	22d/12 Apr 88	39.3 g	4 May 88
940M8	43448	22d/12 Apr 88	42.9 g	4 May 88
952M2	43673	22d/1 May 88	60.8 g	23 May 88
952M4	43674	22d/1 May 88	60.8 g	23 May 8
952M5	43675	22d/1 May 88	63.9 g	23 May 88
956M1	43514	22d/14 Apr 88	50.0 g	6 May 88
956M2	43515	22d/14 Apr 88	51.1 g	6 May 88
956M4	43516	22d/14 Apr 88	52.9 g	6 May 88
956M5	43517	22d/14 Apr 88	49.6 g	6 May 88
972M1	43527	22d/14 Apr 88	56.3 g	6 May 88
972M2	43528	22d/14 Apr 88	58.3 g	6 May 88
972M3	43529	22d/14 Apr 88	42.8 g	6 May 88
972M4	43530	22d/14 Apr 88	34.9 g	6 May 88

## F2 Dose Group 2 - Males

87D0808M1	43410	22d/12 Apr 88	37.5 g	4 May 88
808M3	43411	22d/12 Apr 88	34.8 g	4 May 88
808M5	43412	22d/12 Apr 88	42.5 g	4 May 88
808M7	43413	22d/12 Apr 88	37.0 g	4 May 88
844M1	43628	22d/27 Apr 88	38.4 g	19 May 88
844M3	43629	22d/27 Apr 88	43.4 g	19 May 88
844M4	43630	22d/27 Apr 88	45.4 g	19 May 88
844M6	43631	22d/27 Apr 88	36.0 g	19 May 88
854M3	43266	24d/8 Apr 88	63.2 g	2 May 88
854M5	43267	24d/8 Apr 88	69.7 g	2 May 88
854M6	43268	24d/8 Apr 88	69.1 g	2 May 88
864M1	43428	22d/12 Apr 88	60.4 g	4 May 88
864M2	43429	22d/12 Apr 88	63.4 g	4 May 88
866M2	43331	23d/10 Apr 88	62.8 g	3 May 88
866M4	43332	23d/10 Apr 88	54.1 g	3 May 88
866M6	43333	23d/10 Apr 88	55.1 g	3 May 88
886M1	43598	22d/24 Apr 88	52.3 g	16 May 88
886M2	43599	22d/24 Apr 88	52.6 g	16 May 88
886M5	43600	22d/24 Apr 88	59.6 g	16 May 88
886M6	43601	22d/24 Apr 88	56.3 g	16 May 88
892M1	43500	22d/14 Apr 88	56.0 g	6 May 88
892M2	43501	22d/14 Apr 88	50.8 g	6 May 88
892M3	43502	22d/14 Apr 88	55.5 g	6 May 88

### Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0902M1	43383	22d/11 Apr 88	44.3 g	3 May 88
904M1	43507	22d/14 Apr 88	51.3 g	6 May 88
904M2	43508	22d/14 Apr 88	48.7 g	6 May 88
904M3	43509	22d/14 Apr 88	56.3 g	6 May 88
904M5	43510	22d/14 Apr 88	50.5 g	6 May 88
908M2	43395	22d/11 Apr 88	47.3 g	3 May 88
908M3	43396	22d/11 Apr 88	46.6 g	3 May 88
908M4	43397	22d/11 Apr 88	46.9 g	3 May 88
908M7	43398	22d/11 Apr 88	49.4 g	3 May 88
914M1	43635	22d/27 Apr 88	38.8 g	19 May 88
914M2	43636	22d/27 Apr 88	38.6 g	19 May 88
914M5	43637	22d/27 Apr 88	38.4 g	19 May 88
914M6	43638	22d/27 Apr 88	39.3 g	19 May 88
926M1	43403	22d/11 Apr 88	51.3 g	3 May 88
926M3	43404	22d/11 Apr 88	53.6 g	3 May 88
928M1	43540	24d/15 Apr 88	58.3 g	9 May 88
928M2	43542	24d/15 Apr 88	58.5 g	9 May 88
928M3	43543	24d/15 Apr 88	61.8 g	9 May 88
928M4	43544	24d/15 Apr 88	58.6 g	9 May 88
942M1	43453	22d/12 Apr 88	46.2 g	4 May 88
942M2	43454	22d/12 Apr 88	42.2 g	4 May 88
942M5	43455	22d/12 Apr 88	45.7 g	4 May 88
942M6	43456	22d/12 Apr 88	44.3 g	4 May 88
948M2	43466	22d/13 Apr 88	53.9 g	5 May 88
948M1	43465	22d/13 Apr 88	51.2 g	5 May 88
948M5	43467	22d/13 Apr 88	56.4 g	5 May 88
948M6	43468	22d/13 Apr 88	55.7 g	5 May 88
960M1	43474	22d/13 Apr 88	48.8 g	5 May 88
960M3	43475	22d/13 Apr 88	49.1 g	5 May 88
960M5	43476	22d/13 Apr 88	49.7 g	5 May 88
960M7	43477	22d/13 Apr 88	49.8 g	5 May 88
964M1	43483	22d/13 Apr 88	47.8 g	5 May 88
964M3	43484	22d/13 Apr 88	53.0 g	5 May 88

#### F2 Dose Group 3 - Males

87D0804M1	43283	23d/9 Apr 88	58.0 g	2 May 88
804M2	43284	23d/9 Apr 88	63.9 g	2 May 88
804M4	43285	23d/9 Apr 88	60.9 g	2 May 88
804M5	43286	23d/9 Apr 88	67.8 g	2 May 88
812M1	43231	24d/8 Apr 88	60.3 g	2 May 88
812M2	43232	24d/8 Apr 88	54.2 g	2 May 88
826M2	43568	23d/17 Apr 88	60.2 g	10 May 88

## Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0826M5	43569	23d/17 Apr 88	48.2 g	10 May 88
826M6	43570	23d/17 Apr 88	60.7 g	10 May 88
836M2	43244	24d/8 Apr 88	68.0 g	2 May 88
836M5	43245	24d/8 Apr 88	61.6 g	2 May 88
836M6	43246	24d/8 Apr 88	72.6 g	2 May 88
840M5	43587	23d/23 Apr 88	42.2 g	16 May 88
846M1	43251	24d/8 Apr 88	63.4 g	2 May 88
846M2	43252	24d/8 Apr 88	57.1 g	2 May 88
846M3	43253	24d/8 Apr 88	61.9 g	2 May 88
846M4	43254	24d/8 Apr 88	58.6 g	2 May 88
882M1	43368	22d/11 Apr 88	48.1 g	3 May 88
882M2	43369	22d/11 Apr 88	45.6 g	3 May 88
882M3	43370	22d/11 Apr 88	44.4 g	3 May 88
882M4	43371	22d/11 Apr 88	44.8 g	3 May 88
890M1	43377	22d/11 Apr 88	60.2 g	3 May 88
890M5	43378	22d/11 Apr 88	60.9 g	3 May 88
906M1	43386	22d/11 Apr 88	52.2 g	3 May 88
906M3	43387	22d/11 Apr 88	52.7 g	3 May 88
906M5	43389	22d/11 Apr 88	51.9 g	3 May 88
906M4	43388	22d/11 Apr 88	56.0 g	3 May 88
910M1	43659	22d/28 Apr 88	41.7 g	20 May 88
910M3	43660	22d/28 Apr 88	41.3 g	20 May 88
910M5	43661	22d/28 Apr 88	42.6 g	20 May 88
910M7	43662	22d/28 Apr 88	45.0 g	20 May 88
918M1	43436	22d/12 Apr 88	61.3 g	4 May 88
918M2	43437	22d/12 Apr 88	60.6 g	4 May 88
918M3	43438	22d/12 Apr 88	60.1 g	4 May 88
920M6	43563	23d/16 Apr 88	67.7 g	9 May 88
930M2	43669	23d/30 Apr 88	61.3 g	23 May 88
930M5	43670	23d/30 Apr 88	59.6 g	23 May 88
944M1	43550	24d/15 Apr 88	57.0 g	9 May 88
944M2	43551	24d/15 Apr 88	54.8 g	9 May 88
944M5	43552	24d/15 Apr 88	59.6 g	9 May 88
944M6	43553	24d/15 Apr 88	57.5 g	9 May 88
966M6	43522	22d/14 Apr 88	27.3 g	6 May 88
968M1	43681	22d/1 May 88	52.3 g	23 May 88
968M2	43682	22d/1 May 88	48.2 g	23 May 88
968M5	43683	22d/1 May 88	53.9 g	23 May 88
968M6	43684	22d/1 May 88	53.9 g	23 May 88

F<sub>2</sub> Dose Group 4 - Males

87D0816M2	43205	22d/7 Apr 88	56.5 g	29 Apr 88
816M4	43206	22d/7 Apr 88	35.2 g	29 Apr 88
820M1	43536	24d/15 Apr 88	63.8 g	9 May 88
824M1	43419	22d/12 Apr 88	48.4 g	4 May 88



### Pathology Annex A

Animal ID No.	Path Acc. No.	Age/DOB	Wt.	Necropsy Date
87D0824M2	43420	22d/12 Apr 88	48.7 g	4 May 88
824M4	43421	22d/12 Apr 88	31.8 g	4 May 88
824M5	43422	22d/12 Apr 88	47.6 g	4 May 88
834M1	43214	22d/7 Apr 88	53.4 g	29 Apr 88
834M2	43215	22d/7 Apr 88	53.7 g	29 Apr 88
834M3	43216	22d/7 Apr 88	51.4 g	29 Apr 88
834M4	43217	22d/7 Apr 88	52.9 g	29 Apr 88
834M5	43218	22d/7 Apr 88	52.6 g	29 Apr 88
852M1	43259	24d/8 Apr 88	44.7 g	2 May 88
852M3	43260	24d/8 Apr 88	57.4 g	2 May 88
856M1	43274	24d/8 Apr 88	49.9 g	2 May 88
856M2	43275	24d/8 Apr 88	57.1 g	2 May 88
856M3	43276	24d/8 Apr 88	52.4 g	2 May 88
856M4	43277	24d/8 Apr 88	46.6 g	2 May 88
856M6	43278	24d/8 Apr 88	56.5 g	2 May 88
874M1	43589	22d/24 Apr 88	56.3 g	16 May 88
874M2	43590	22d/24 Apr 88	51.0 g	16 May 88
874M4	43591	22d/24 Apr 88	51.0 g	16 May 88
874M5	43592	22d/24 Apr 88	52.5 g	16 May 88
884M1	43346	23d/10 Apr 88	52.7 g	3 May 88
884M3	43347	23d/10 Apr 88	54.5 g	3 May 88
884M5	43348	23d/10 Apr 88	57.3 g	3 May 88
884M7	43349	23d/10 Apr 88	57.4 g	3 May 88
894M1	43576	22d/18 Apr 88	50.4 g	10 May 88
894M2	43577	22d/18 Apr 88	39.1 g	10 May 88
894M3	43578	22d/18 Apr 88	37.7 g	10 May 88
898M3	43355	23d/10 Apr 88	67.8 g	3 May 88
898M4	43356	23d/10 Apr 88	66.3 g	May 88
934M1	43643	22d/27 Apr 88	47.5 g	19 May 88
934M2	43644	22d/27 Apr 88	48.8 g	19 May 88
934M5	43645	22d/27 Apr 88	46.1 g	19 May 88
934M6	43646	22d/27 Apr 88	46.3 g	19 May 88
976M3	43559	24d/15 Apr 88	77.4 g	9 May 88
976M6	43560	24d/15 Apr 88	73.2 g	9 May 88
976M8	43561	24d/15 Apr 88	79.0 g	9 May 88

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

PRINTED: 13-Feb-90  
Page: 1

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00413      Sex: Female      Group: 1      Dose level: Control  
Day of death: 115      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.26  
-----  
Tissue      Finding, severity      << Gross observations >>  
-----  
UTERUS      WHITE SPOTS      Gross Free-text Comments  
-----  
3

-----  
Tissue      Necropsy memos      << Necropsy Memos >>  
-----  
UTERUS      SPERM POSITIVE 28 DAYS BEFORE SACRIFICE. 'NO LITTER DELIVERED.  
-----

-----  
Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>  
-----  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

PRINTED: 13-Feb-90  
Page: 2

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000421      Sex: Female      Group: 1      Dose level: Control  
Day of death: 135      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.26  
-----  
Tissue      Finding, severity      << Gross Observations >>      Gross Free-Text Comments  
-----  
WHOLE BODY      NO LESIONS RECOGNIZED  
-----  
UTERUS      INVOLUTION SITES      11

<< Necropsy Memos >>

Tissue      Necropsy memos  
-----  
No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue      Histopathologic diagnoses / Special histological comments  
-----  
UTERUS      PIGMENT IN MACROPHAGES, Slight, Focal.  
INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAVLEY

PRINTED: 13-Feb-90  
Page: 3

Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00425 Sex: Female  
Day of death: 122 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.29

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED  
Gross Observations  
Gross Free-Text Comments

UTERUS INVOLUTION SITES

4

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAVLEY

Individual Animal Data Dump Table  
Study Number: 87012F

PRINTED: 13-Feb-90  
Page: 4

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000430 Sex: Female  
Day of death: 119 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.27

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED  
UTERUS INVOLUTION SITES

<< Gross Observations >>  
<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
PITUITARY GLAND / ONLY PARTIES DISTALIS AND INTERMEDIA PRESENT RECUT DONE

Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

**Individual Animal Data Dump Table**  
**Study Number: 87012F**

PRINTED: 13-Feb-90  
Page: 5

Study Start Date: 21-Jul-87

**TERATOLOGY/**

Animal: 87D00431  
Day of death: 122  
Sex: Female  
Status: NORMAL

Dose level: Control  
Terminal body weight (kms): 0.33

<<	Gross	Observations	>>
			Gross Free-Text Comments

Tissue	Finding, severity
Heart	Myocardial infarction, severe
Lung	Pneumonia, severe
Liver	Hepatitis, severe
Spleen	Splenomegaly, severe
Stomach	Gastritis, severe
Uterus	Uterine fibroids, severe
Vagina	Vaginitis, severe
Bladder	Cystitis, severe
Prostate	Prostatitis, severe
Testis	Testicular atrophy, severe
Ovary	Ovarian cysts, severe
Thyroid	Thyroiditis, severe
Parathyroid	Parathyroid adenoma, severe
Pituitary	Pituitary tumor, severe
Hypothalamus	Hypothalamic tumor, severe
Brain	Brain tumor, severe
Spinal cord	Spinal cord tumor, severe
Nerve	Nerve tumor, severe
Muscle	Muscle tumor, severe
Bone	Bone tumor, severe
Cartilage	Cartilage tumor, severe
Joint	Joint tumor, severe
Skin	Skin tumor, severe
Hair	Hair tumor, severe
Nail	Nail tumor, severe
Eye	Eye tumor, severe
Ear	Ear tumor, severe
Nose	Nose tumor, severe
Mouth	Mouth tumor, severe
Throat	Throat tumor, severe
Esophagus	Esophagus tumor, severe
Stomach	Stomach tumor, severe
Small intestine	Small intestine tumor, severe
Large intestine	Large intestine tumor, severe
Rectum	Rectum tumor, severe
Anus	Anus tumor, severe
Vagina	Vagina tumor, severe
Cervix	Cervix tumor, severe
Uterus	Uterus tumor, severe
Bladder	Bladder tumor, severe
Prostate	Prostate tumor, severe
Testis	Testis tumor, severe
Ovary	Ovary tumor, severe
Thyroid	Thyroid tumor, severe
Parathyroid	Parathyroid tumor, severe
Pituitary	Pituitary tumor, severe
Hypothalamus	Hypothalamus tumor, severe
Brain	Brain tumor, severe
Spinal cord	Spinal cord tumor, severe
Nerve	Nerve tumor, severe
Muscle	Muscle tumor, severe
Bone	Bone tumor, severe
Cartilage	Cartilage tumor, severe
Joint	Joint tumor, severe
Skin	Skin tumor, severe
Hair	Hair tumor, severe
Nail	Nail tumor, severe
Eye	Eye tumor, severe
Ear	Ear tumor, severe
Nose	Nose tumor, severe
Mouth	Mouth tumor, severe
Throat	Throat tumor, severe
Esophagus	Esophagus tumor, severe
Stomach	Stomach tumor, severe
Small intestine	Small intestine tumor, severe
Large intestine	Large intestine tumor, severe
Rectum	Rectum tumor, severe
Anus	Anus tumor, severe
Vagina	Vagina tumor, severe
Cervix	Cervix tumor, severe
Uterus	Uterus tumor, severe
Bladder	Bladder tumor, severe
Prostate	Prostate tumor, severe
Testis	Testis tumor, severe
Ovary	Ovary tumor, severe
Thyroid	Thyroid tumor, severe
Parathyroid	Parathyroid tumor, severe
Pituitary	Pituitary tumor, severe
Hypothalamus	Hypothalamus tumor, severe
Brain	Brain tumor, severe
Spinal cord	Spinal cord tumor, severe
Nerve	Nerve tumor, severe
Muscle	Muscle tumor, severe
Bone	Bone tumor, severe
Cartilage	Cartilage tumor, severe
Joint	Joint tumor, severe
Skin	Skin tumor, severe
Hair	Hair tumor, severe
Nail	Nail tumor, severe
Eye	Eye tumor, severe
Ear	Ear tumor, severe
Nose	Nose tumor, severe
Mouth	Mouth tumor, severe
Throat	Throat tumor, severe
Esophagus	Esophagus tumor, severe
Stomach	Stomach tumor, severe
Small intestine	Small intestine tumor, severe
Large intestine	Large intestine tumor, severe
Rectum	Rectum tumor, severe
Anus	Anus tumor, severe
Vagina	Vagina tumor, severe
Cervix	Cervix tumor, severe
Uterus	Uterus tumor, severe
Bladder	Bladder tumor, severe
Prostate	Prostate tumor, severe
Testis	Testis tumor, severe
Ovary	Ovary tumor, severe
Thyroid	Thyroid tumor, severe
Parathyroid	Parathyroid tumor, severe
Pituitary	Pituitary tumor, severe
Hypothalamus	Hypothalamus tumor, severe
Brain	Brain tumor, severe
Spinal cord	Spinal cord tumor, severe
Nerve	Nerve tumor, severe
Muscle	Muscle tumor, severe
Bone	Bone tumor, severe
Cartilage	Cartilage tumor, severe
Joint	Joint tumor, severe
Skin	Skin tumor, severe
Hair	Hair tumor, severe
Nail	Nail tumor, severe
Eye	Eye tumor, severe
Ear	Ear tumor, severe
Nose	Nose tumor, severe
Mouth	Mouth tumor, severe
Throat	Throat tumor, severe
Esophagus	Esophagus tumor, severe
Stomach	Stomach tumor, severe
Small intestine	Small intestine tumor, severe
Large intestine	Large intestine tumor, severe
Rectum	Rectum tumor, severe
Anus	Anus tumor, severe
Vagina	Vagina tumor, severe
Cervix	Cervix tumor, severe
Uterus	Uterus tumor, severe
Bladder	Bladder tumor, severe
Prostate	Prostate tumor, severe
Testis	Testis tumor, severe
Ovary	Ovary tumor, severe
Thyroid	Thyroid tumor, severe
Parathyroid	Parathyroid tumor, severe
Pituitary	Pituitary tumor, severe
Hypothalamus	Hypothalamus tumor, severe
Brain	Brain tumor, severe
Spinal cord	Spinal cord tumor, severe
Nerve	Nerve tumor, severe
Muscle	Muscle tumor, severe
Bone	Bone tumor, severe
Cartilage	Cartilage tumor, severe
Joint	Joint tumor, severe
Skin	Skin tumor, severe
Hair	Hair tumor, severe
Nail	Nail tumor, severe
Eye	Eye tumor, severe
Ear	Ear tumor, severe
Nose	Nose tumor, severe
Mouth	Mouth tumor, severe
Throat	Throat tumor, severe

WHOLE BODY	NO LESIONS RECOGNIZED
100%	100%

**UTERUS**

1

# Neuropathy

## Tissue Necropsy memos

**No necropsy memos recorded on animal**

<< Pathology Observations >>

**Tissue**

UTERUS · PIGMENT IN MACROPHAGES, MILD, Multifocal.

## Appendix O (Cont.): PATHOLOGY

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LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87      Group: 1      Dose level: Control      TERATOLOGY/  
Animal: 87D00437      Sex: Female      Terminal body weight (kms): 0.31  
Day of death: 119      Status: NORMAL, EUTHANIZED      Observations >>  
Gross      Gross Free-Text Comments

Tissue      Finding, severity  
WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES

11

<< Necropsy      Memos      >>

Tissue      Necropsy memos

No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00440 Sex: Female Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Day of death: 98 Terminal body weight (kms): 0.31

Findings, severity << Gross Observations >>  
Gross Free-Text Comments

2

WHITE SPOTS

<< Necropsy Memos >>

Tissue Necropsy memos

UTERUS SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/SPRAGUE-DAWLEY

PRINTED: 13-Feb-90  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000442

Sex: Female

Group: 1

Dose level: Control

Day of death: 122

Status: NORMAL, EUTHANIZED

Terminal body weight (kms):

0.31

Tissue

Finding, severity

<< G r o s s    O b s e r v a t i o n s    >>

Gross Free-Text Comments

WHOLE BODY

NO LESIONS RECOGNIZED

UTERUS

INVOLUTION SITES

13

Tissue

Necropsy memos

<< N e c r o p s y    M e m o s    >>

No necropsy memos recorded on animal

Tissue

<< P a t h o l o g y    O b s e r v a t i o n s    >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

PRINTED: 13-Feb-90  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000445 Sex: Female  
Day of death: 122 Status: NORMAL, EUTHANIZED  
Group: 1 Dose level: Control  
Terminal body weight (kms): 0.28

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

13

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< P a t h o l o g y O b s e r v a t i o n s >>  
Histopathologic diagnoses / Special histological comments

Tissue

PITUITARY GLAND /ONLY PARS DISTALIS PRESENT RECUT DONE

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/SPRAGUE-DAWLEY

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00446 Sex: Female  
Day of death: 137 Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Terminal body weight (kms): 0.36

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 13

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

PITUITARY GLAND /ONLY PARTES DISTALIS AND INTERMEDIA PRESENT RECUT DONE

UTERUS PIGMENT IN MACROPHAGES, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

PRINTED: 13-Feb-90  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000447

Sex: Female

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.30

Day of death: 123

Status: NORMAL, EUTHANIZED

<< Gross Observations >>  
Gross Free-Text Comments

Finding, severity

NO LESIONS RECOGNIZED

Tissue

WHOLE BODY

INVOLUTION SITES

UTERUS

10

<< Necropsy Memos >>

Necropsy memos

Tissue

No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

Tissue

UTERUS

PIGMENT IN MACROPHAGES, Slight, Multifocal.

VAGINA

Required protocol tissue is missing.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000460

Sex: Female

Group: 1

Dose level: Control

Day of death: 98

Status: NORMAL, EUTHANIZED

Terminal body weight (kms): 0.35

Tissue Finding, severity

<< Gross Observations >>

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue

Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

PRINTED: 13-Feb-90  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000461 Sex: Female  
Day of death: 123 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.33

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

13

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

PITUITARY GLAND

/ONLY PARTS DISTALIS AND INTERMEDIA PRESENT RECUT DONE

UTERUS

PIGMENT IN MACROPHAGES, Mild, Multifocal.

VAGINA

Required protocol tissue is missing.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00465

Sex: Female

Group: 1

Dose level: Control

Day of death: 98

Status: NORMAL, EUTHANIZED

Terminal body weight (kms):

0.29

Tissue

Finding, severity

<< Gross Observations >>

Gross Free-Text Comments

UTERUS UNILATERAL APLASIA

UNICORNATE UTERUS

Tissue

Necropsy memos

<< Necropsy Memos >>

UTERUS

ONLY LEFT SIDE OF UTERUS IS PRESENT. 0 INVOLUTION SITES.

Tissue

<< Pathology Observations >>

Histopathologic diagnoses / Special histological comments

OVARIES

Required protocol tissue is missing.

/ONLY OVIDUCT IN BLOCK, RECUR DONE

URINARY BLADDER

Miscellaneous.  
INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00470 Sex: Female  
Day of death: 98 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.30

Tissue Finding, severity << G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << N e c r o p s y M e m o s >>

UTERUS SPERM POSITIVE 27 DAYS BEFORE SACRIFICE. "NO LITTER DELIVERED."

Tissue Histopathologic diagnoses / Special histological comments << P a t h o l o g y O b s e r v a t i o n s >>  
PITUITARY GLAND /ONLY PARS DISTALIS PRESENT RECUT DONE



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

PRINTED: 13-feb-90  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00472      Sex: Female      Group: 1      Dose level: Control  
Day of death: 123      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.32

Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 15

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

OVARIES CYST(S), Mild, Focal.  
MINERALIZATION, Slight, Focal.

VAGINA Required protocol tissue is missing.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

PRINTED: 13-Feb-90  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000479 Sex: Female Group: 1 Dose level: Control  
Day of death: 128 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.29

Tissue finding, severity << Gross Observations >> Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 13

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

PITUITARY GLAND /ONLY PARTES DISTALIS AND INTERMEDIA PRESENT RECUT DONE

UTERUS PIGMENT IN MACROPHAGES, slight, Multifocal.

VAGINA Required protocol tissue is missing.

URINARY BLADDER Miscellaneous.  
INFLAMMATION, LYMPHOCYTIC, slight, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00484 Sex: Female  
Day of death: 128 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.27

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

15

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / special histological comments

Tissue

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAULEY

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000496

Sex: Female

Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control

Terminal body weight (kms): 0.36

Day of death: 128

<< Gross Observations >>  
Gross Free-Text Comments

Finding, severity

NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

7

<< Necropsy Memos >>

Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

OVARIES CYST(S), Mild, Multifocal.

UTERUS PIGMENT IN MACROPHAGES, Mild, Multifocal.

VAGINA Required protocol tissue is missing.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000498 Sex: Female  
Day of death: 128 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.34

Tissue Finding, severity

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

16

Tissue Necropsy memos

<< N e c r o p s y M e m o s >>

No necropsy memos recorded on animal

Tissue  
VAGINA

<< P a t h o l o g y O b s e r v a t i o n s >>  
Histopathologic diagnoses / Special histological comments  
Required protocol tissue is missing.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

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Animal: 87000507 Sex: Female  
Day of death: 128 Status: NORMAL, EUTHANIZED  
Study Start Date: 21-Jul-87 Group: 1  
Dose level: Control  
Terminal body weight (kms): 0.35

TERATOLOGY/

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED  
<< Gross Observations >>  
Gross Free-Text Comments

8

UTERUS INVOLUTION SITES

<< Necropsy Hemos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< Pathology Observations >>

UTERUS PIGMENT IN MACROPHAGES, Moderate, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

PRINTED: 13-Feb-90  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00509 Sex: Female  
Day of death: 128 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.34

Tissue Finding, severity NO LESIONS RECOGNIZED  
Tissue Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY

UTERUS INVOLUTION SITES

12

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Necropsy Memos >>

Tissue Histopathologic diagnoses / Special histological comments  
VAGINA Required protocol tissue is missing.

<< Pathology Observations >>

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/SPRAGUE-DAWLEY

Animal: 87D00512      Sex: Female  
 Day of death: 133      Status: NORMAL, EUTHANIZED

Individual Animal Data Dump Table  
 Study Number: 87012F  
 Study Start Date: 21-Jul-87      Group: 1      Dose level: Control  
 TERA TOLOGY/      Terminal body weight (kms): 0.35

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-----  
 << G r o s s    O b s e r v a t i o n s    >>  
 -----  
 Tissue      Finding, severity  
 -----  
 WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES

-----  
 << N e c r o p s y    M e m o s    >>  
 -----  
 Tissue      Necropsy memos  
 -----  
 No necropsy memos recorded on animal

-----  
 << P a t h o l o g y    O b s e r v a t i o n s    >>  
 -----  
 Tissue      Histopathologic diagnoses / Special histological comments  
 -----  
 All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

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RAY/SPRAGUE-DAVLEY

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00520 Sex: Female  
Day of death: 147 Status: NORMAL, EUTHANIZED

Group: 1

Terminal body weight (kms): 0.33  
Dose level: Control

Tissue Finding, severity  
TAIL DIARRHEA STAINING

<< Gross Observations >>  
Gross Free-Text Comments

UTERUS INVOLUTION SITES

14

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Necropsy Memos >>

Tissue Histopathologic diagnoses / Special histological comments  
PITUITARY GLAND / ONLY PARS DISTALIS PRESENT RECUR DONE

<< Pathology Observations >>

UTERUS PIGMENT IN MACROPHAGES, slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00523 Sex: Female  
Day of death: 147 Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Terminal body weight (kms): 0.28

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED  
UTERUS INVOLUTION SITES

13

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
OVARIES CYST(S), Mild, Multifocal.

VAGINA Miscellaneous.  
HEMORRHAGE, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00525 Sex: Female Group: 1 Dose level: Control  
Day of death: 150 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.31  
Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 15

Tissue Necropsy memos << Necropsy Memos >>  
LIVER LIVER SAVED FOR HISTOLOGY DUE TO PRESENCE OF POSSIBLE INJECTION SITE OF EUTHANASIA SOLUTION

Tissue << Pathology Observations >>  
UTERUS Histopathologic diagnoses / Special histological comments  
LIVER PIGMENT IN MACROPHAGES, Mild, Multifocal.  
Miscellaneous.  
INJECTION ARTIFACT, Present.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000535 Sex: Female  
Day of death: 122 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.33

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

UTERUS SPERM POSITIVE 26 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000541      Sex: Female      Group: 1      Dose level: Control  
Day of death: 115      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.27  
-----  
Tissue      Finding, severity      << Gross Observations >>      Gross Free-Text Comments  
WHOLE BODY      NO LESIONS RECOGNIZED

-----  
Tissue      Necropsy memos      << Necropsy Memos >>  
UTERUS      SPERM POSITIVE 28 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

-----  
Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>  
PITUITARY GLAND      CYST(S), Mild, Focal.  
OVARIES      CYST(S), Mild, Multifocal.  
VAGINA      Miscellaneous.  
INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00542 Sex: Female Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Day of death: 133 Terminal body weight (kms): 0.29

<< G R O S S O b s e r v a t i o n s >>  
Gross Free-Text Comments

Finding, severity

NO LESIONS RECOGNIZED

INVOLUTION SITES

15

<< N e c r o p s y M e m o s >>

Necropsy memos

No necropsy memos recorded on animal

<< P a t h o l o g y O b s e r v a t i o n s >>  
Histopathologic diagnoses / Special histological comments

PIGMENT IN MACROPHAGES, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

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RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

```

.....
Animal: 87000545      Sex: Female      Group: 1      Dose level: Control
Day of death: 133      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.30
.....
Tissue      Finding, severity      << Gross Observations >>
.....
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments
.....
UTERUS      INVOLUTION SITES      14
.....
Tissue      Necropsy memos      << Necropsy Memos >>
.....
No necropsy memos recorded on animal
.....
Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>
.....
UTERUS      PIGMENT IN MACROPHAGES, Slight, Multifocal.
.....

```

## Appendix O (Cont.): PATHOLOGY

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RAT/SPRAGUE-DAVLEY

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000546 Sex: Female Status: NORMAL, EUTHANIZED Group: 1 Terminal body weight (kms): 0.32 Dose level: Control

Day of death: 133

<< Gross Observations >>  
Gross Free-Text Comments

Finding, severity

INVOLUTION SITES

UTERUS PARTIALLY RESORBED FETUS

5 ONE

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

UTERUS PIGMENT IN MACROPHAGES, slight, Multifocal.

FETUS Miscellaneous.  
AUTOLYSIS, ASSOCIATED WITH ENDOMETRIAL INFLAMMATION, Present.



## Appendix O (Cont.): PATHOLOGY

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RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00548

Sex: Female

Group: 1

Dose level: Control

Status: NORMAL, EUTHANIZED

Terminal body weight (kms): 0.53

Day of death: 115

Tissue Finding, severity

<< Gross Observations >>  
Gross Free-Text Comments

LIVER CONGESTED  
WHITE AREAS ON CAPSULE

<< Necropsy Memos >>

Tissue Necropsy memos

LIVER APPEARANCE PROBABLY DUE TO EUTHANASIA SOLUTION.

UTERUS SPERM POSITIVE 27 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000550 Sex: Female Group: 1 Dose level: Control  
Day of death: 135 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.29

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 12

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / special histological comments << Pathology Observations >>

UTERUS PIGMENT IN MACROPHAGES, slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/SPRAGUE-DAWLEY

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00551      Sex: Female      Group: 1      Dose level: Control  
Day of death: 133      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.32

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

13

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

UTERUS PIGMENT IN MACROPHAGES, slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000802 Sex: Female  
Day of death: 147 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.41

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos

UTERUS SPERM POSITIVE 27 DAYS BEFORE SACRIFICE. "NO LITTER DELIVERED."

Tissue Histopathologic diagnoses / Special histological comments  
All protocol required tissues normal.

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RAT/SPRAGUE-DAWLEY

**Individual Animal Data Dump Table**  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000810      Sex: Female

**Sex: Female**

Day of death: 140

Status: NORMAL

**Group: 1**

Dose level: Control

**Terminal body weight (kms): 0.36**

**Tissue**

<< Gross Observations >>  
Gross Free-Text Comments

Gross Free-Text Comments

**WHOLE BODY**      **NO LESIONS RECOGNIZED**

^^ Necropsy Memoos ^^

## Tissue Necropsy memos

**No necropsy memos recorded on animal**

&lt;&lt; Pathology Observations &gt;&gt;

**Tissue**

**All protocol required tissues normal.**

## Appendix O (Cont.): PATHOLOGY

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RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000814 Sex: Female  
Day of death: 168 Status: NORMAL, EUTHANIZED

Group: 1 Dose level: Control  
Terminal body weight (kms): 0.32

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

14

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

OVARIES CYST(S), Moderate, focal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00830 Sex: Female  
Day of death: 183 Status: NORMAL, EUTHANIZED  
Group: 1 Dose level: Control  
Terminal body weight (kms): 0.27

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

15

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< P a t h o l o g y O b s e r v a t i o n s >>  
Histopathologic diagnoses / Special histological comments

UTERUS PIGMENT IN MACROPHAGES, Mild, Focal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
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Animal: 87D00832	Sex: Female	Group: 1	Dose level: Control
Day of death: 147	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.35
	<< Gross Observations >>		
Tissue	Finding, severity	Gross Free-Text Comments	TERATOLOGY/
WHOLE BODY	NO LESIONS RECOGNIZED		
Tissue	Necropsy memos	<< Necropsy Memos >>	
UTERUS	SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. "NO LITTER DELIVERED.		
Tissue	<< Pathology Observations >>		
VAGINA	Histopathologic diagnoses / Special histological comments		
	Required protocol tissue is missing.		

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000838

Sex: Female

Group: 1

Status: NORMAL, EUTHANIZED

Terminal body weight (kms): 0.40

Day of death: 164

<< G R O S S O b s e r v a t i o n s >>  
Gross Free-Text Comments

Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

<< N e c r o p s y M e m o s >>

Necropsy memos

SPERM POSITIVE 26 DAYS BEFORE SACRIFICE. "NO LITTER DELIVERED."

<< P a t h o l o g y O b s e r v a t i o n s >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00842      Sex: Female      Group: 1      Dose level: Control  
Day of death: 147      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.39

<< Gross Observations >>  
Gross Free-Text Comments

Finding, severity

WHOLE BODY      NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Necropsy memos

Tissue

UTERUS

SPERM POSITIVE 26 DAYS BEFORE SACRIFICE. "NO LITTER DELIVERED."

<< Pathology Observations >>

Histopathologic diagnoses / Special histological comments

Tissue

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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 RAT/SPRAGUE-DAWLEY

Animal: 87D00848      Sex: Female  
 Day of death: 168      Status: NORMAL, EUTHANIZED

Individual Animal Data Dump Table  
 Study Number: 87012F

Study Start Date: 21-Jul-87

Group: 1      Dose level: Control  
 Terminal body weight (kms): 0.35

TERATOLOGY/

<< G r o s s    O b s e r v a t i o n s    >>  
 Gross Free-Text Comments

Finding, severity

NO LESIONS RECOGNIZED

INVOLUTION SITES

14

<< N e c r o p s y    M e m o s    >>

Necropsy memos

No necropsy memos recorded on animal

<< P a t h o l o g y    O b s e r v a t i o n s    >>  
 Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

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## Appendix O (Cont.): PATHOLOGY

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RAT/SPRAGUE-DAVLEY

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000858 Sex: Female  
Day of death: 169 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.34

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED  
Tissue Gross Observations >>  
Gross Free-Text Comments

UTERUS INVOLUTION SITES

15

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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 RAT/SPRAGUE-DAWLEY

Animal: 87D00862      Sex: Female  
 Day of death: 169      Status: NORMAL, EUTHANIZED

Individual Animal Data Dump Table  
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 Study Start Date: 21-Jul-87

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TERATOLOGY/  
 Dose level: Control  
 Terminal body weight (kms): 0.31

Group: 1

<< G R O S S    O b s e r v a t i o n s    >>  
 Gross Free-Text Comments

Tissue      Finding, severity  
 WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES

14

<< N e c r o p s y    M e m o s    >>

Tissue      Necropsy memos  
 No necropsy memos recorded on animal

<< P a t h o l o g y    O b s e r v a t i o n s    >>  
 Histopathologic diagnoses / Special histological comments

Tissue      MINERALIZATION, Slight, Focal.  
 OVARIES

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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 RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000872 Sex: Female  
 Day of death: 169 Status: NORMAL, EUTHANIZED

Group: 1

Terminal body weight (kms): 0.30  
 Dose level: Control

Tissue Finding, severity << Gross Observations >>  
 WHOLE BODY NO LESIONS RECOGNIZED Gross Free-Text Comments

UTERUS INVOLUTION SITES

7

<< Necropsy Memos >>

Tissue Necropsy memos  
 No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
 UTERUS PIGMENT IN MACROPHAGES, Mild, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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 RAT/SPRAGUE-DAWLEY

Animal: 87D00876      Sex: Female  
 Day of death: 169      Status: NORMAL, EUTHANIZED

Individual Animal Data Dump Table  
 Study Number: 87012F

Study Start Date: 21-Jul-87      Group: 1      Dose level: Control

TERATOLOGY/  
 Terminal body weight (kms): 0.34

<< G r o s s    O b s e r v a t i o n s    >>  
 Gross Free-Text Comments

Tissue      Finding, severity  
 WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES

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<< N e c r o p s y    M e m o s    >>

Tissue      Necropsy memos  
 No necropsy memos recorded on animal

<< P a t h o l o g y    O b s e r v a t i o n s    >>  
 Histopathologic diagnoses / Special histological comments

Tissue      PIGMENT IN MACROPHAGES, Mild, Multifocal.  
 UTERUS

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## Appendix O (Cont.): PATHOLOGY

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RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000878 Sex: Female  
Day of death: 172 Status: NORMAL, EUTHANIZED

Group: 1 Dose level: Control  
Terminal body weight (kms): 0.36

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

Tissue finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

14

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
UTERUS PIGMENT IN MACROPHAGES, slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00880 Sex: Female Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Day of death: 161 Terminal body weight (kms): 0.41

Tissue Finding, severity << Gross Observations >> Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

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<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

UTERUS PIGMENT IN MACROPHAGES, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00916 Sex: Female Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Day of death: 164 Terminal body weight (kms): 0.44

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

2

UTERUS WHITE SPOTS

<< Necropsy Memos >>

Tissue Necropsy memos

UTERUS SPERM POSITIVE 26 DAYS BEFORE SACRIFICE. "NO LITTER DELIVERED."

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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 RAT/SPRAGUE-DAWLEY

Animal: 87D00922      Sex: Female  
 Day of death: 184      Status: NORMAL, EUTHANIZED

Individual Animal Data Dump Table  
 Study Number: 87012F

Study Start Date: 21-Jul-87

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TERATOLOGY/

Group: 1      Dose level: Control  
 Terminal body weight (kms): 0.35

<< G r o s s    O b s e r v a t i o n s    >>  
 Gross Free-Text Comments

Finding, severity  
 NO LESIONS RECOGNIZED

WHOLE BODY

UTERUS      INVOLUTION SITES

8

<< N e c r o p s y    M e m o s    >>

Tissue      Necropsy memos

No necropsy memos recorded on animal

<< P a t h o l o g y    O b s e r v a t i o n s    >>  
 Histopathologic diagnoses / Special histological comments

Tissue      Lymphoid aggregates, slight, Multifocal.

UTERUS

## Appendix O (Cont.): PATHOLOGY

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000936 Sex: Female Group: 1 Dose level: Control  
Day of death: 154 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.37

Tissue Finding, severity << Gross Observations >>  
WHOLE BODY NO LESIONS RECOGNIZED Gross Free-Text Comments

Tissue Necropsy memos << Necropsy Memos >>

UTERUS SPERM POSITIVE 28 DAYS BEFORE SACRIFICE. "NO LITTER DELIVERED."

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

OVARIES MINERALIZATION, slight, Multifocal.

VAGINA INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00938 Sex: Female Group: 1 Dose level: Control  
Day of death: 151 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.39

Findings, severity NO LESIONS RECOGNIZED  
Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY

<< Necropsy Memos >>

Tissue Necropsy memos

UTERUS SPERM POSITIVE 26 DAYS BEFORE SACRIFICE. "NO LITTER DELIVERED."

Tissue Histopathologic diagnoses / Special histological comments >>  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

PRINTED: 13-Feb-90  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00940 Sex: Female  
Day of death: 170 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.30

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED  
Tissue Gross Observations >>  
Gross Free-Text Comments

11

UTERUS INVOLUTION SITES

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments >>  
<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

PRINTED: 13-Feb-90  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000950 Sex: Female Group: 1 Dose level: Control  
Day of death: 147 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.37

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

VAGINA INFLAMMATION, LYMPHOCTIC, Slight, Focal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAWLEY

Individual Animal Data Dump Table  
Study Number: 87012F

PRINTED: 13-Feb-90  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000952 Sex: Female  
Day of death: 189 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.37

Tissue Finding, severity << Gross Observations >>  
WHOLE BODY NO LESIONS RECOGNIZED Gross Free-Text Comments

14

UTERUS INVOLUTION SITES

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
UTERUS PIGMENT IN MACROPHAGES, Slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/SPRAGUE-DAWLEY

Animal: 87D00956      Sex: Female  
 Day of death: 172      Status: NORMAL, EUTHANIZED

Individual Animal Data Dump Table  
 Study Number: 87012F  
 Study Start Date: 21-Jul-87  
 Dose level: Control  
 Terminal body weight (kms): 0.32  
 TERATOLOGY/

<< G r o s s    O b s e r v a t i o n s    >>  
 Finding, severity  
 NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES      13

<< N e c r o p s y    M e m o s    >>

Tissue      Necropsy memos  
 No necropsy memos recorded on animal

<< P a t h o l o g y    O b s e r v a t i o n s    >>  
 Histopathologic diagnoses / Special histological comments  
 PIGMENT IN MACROPHAGES, slight, Multifocal.

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## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/SPRAGUE-DAVLEY

Animal: 87000970      Sex: Female  
 Day of death: 172      Status: NORMAL, EUTHANIZED

Individual Animal Data Dump Table  
 Study Number: 87012F  
 Study Start Date: 21-Jul-87

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TERATOLOGY/  
 Dose level: Control  
 Terminal body weight (kms): 0.32

Group: 1

<< G r o s s    O b s e r v a t i o n s    >>  
 Gross Free-Text Comments

Tissue      Finding, severity

WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES

10

<< N e c r o p s y    M e m o s    >>

Tissue      Necropsy memos

No necropsy memos recorded on animal

<< P a t h o l o g y    O b s e r v a t i o n s    >>  
 Histopathologic diagnoses / Special histological comments

UTERUS      PIGMENT IN MACROPHAGES, Mild, Multifocal.

VAGINA      INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/SPRAGUE-DAWLEY

Animal: 87D00972      Sex: Female  
 Day of death: 172      Status: NORMAL, EUTHANIZED

Individual Animal Data Dump Table  
 Study Number: 87012F  
 Study Start Date: 21-Jul-87

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TERATOLOGY/  
 Dose level: Control  
 Terminal body weight (kms): 0.33

Group: 1

<< G r o s s    O b s e r v a t i o n s    >>  
 Gross Free-Text Comments

Tissue      Finding, severity  
 WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES

12

<< N e c r o p s y    M e m o s    >>

Tissue      Necropsy memos  
 No necropsy memos recorded on animal

<< P a t h o l o g y    O b s e r v a t i o n s    >>  
 Histopathologic diagnoses / Special histological comments

PITUITARY GLAND      /ONLY PARS DISTALIS PRESENT RECUT DOME

UTERUS      INFLAMMATION, LYMPHOCYTIC, slight, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/SPRAGUE-DAVLEY

Individual Animal Data Dump Table  
Study Number: 87012F

PRINTED: 13-Feb-90  
Page: 60

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000978 Sex: Female  
Day of death: 154 Status: NORMAL, EUTHANIZED

Group: 1

Terminal body weight (kms): 0.39  
Dose level: Control

Tissue Finding, severity

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

12

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< N e c r o p s y M e m o s >>

Tissue Histopathologic diagnoses / Special histological comments  
All protocol required tissues normal.

<< P a t h o l o g y O b s e r v a t i o n s >>

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00412 Sex: Female Status: NORMAL, EUTHANIZED Group: 2 Dose level: 1.3 PPT/day  
Day of death: 102 Terminal body weight (kms): 0.32

Tissue Finding, severity << Gross Observations >> Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

UTERUS SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00424 Sex: Female  
Day of death: 119 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.24

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 12

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Miscellaneous diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAY/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00433 Sex: Female  
Day of death: 98 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.32

<< Gross Observations >>  
Gross Free-Text Comments

Finding, severity

NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Necropsy memos

SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.



# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000438 Sex: Female  
Day of death: 98 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.34

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS FETUS IN UTERUS

1

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

Tissue

All protocol required tissues normal.

**Individual Animal Data Dump Table**  
**Study Number: 87012F**

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Study Start Date: 21-Jul-87

**Animal: 87D00441**

**Sex: Female**

**Day of death: 99**

Status: NORMAL, EUTHANIZED

**Group: 2**

**Dose level:**

### 1.3 PPT/day

0.31

Tissue	Finding, severity
Heart	Myocardial infarction, severe
Liver	Chronic hepatitis, severe
Lung	Pneumonia, severe
Spleen	Splenomegaly, severe
Testis	Testicular atrophy, severe
Uterus	Uterine leiomyoma, severe
Vagina	Vaginal stenosis, severe
Bladder	Bladder cancer, severe
Rectum	Rectal cancer, severe
Colon	Colon cancer, severe
Stomach	Gastric cancer, severe
Pancreas	Pancreatic cancer, severe
Prostate	Prostate cancer, severe
Thyroid	Thyroid cancer, severe
Parathyroid	Parathyroid cancer, severe
Adrenal	Adrenal cancer, severe
Pituitary	Pituitary cancer, severe
Hypothalamus	Hypothalamic cancer, severe
Brain	Brain cancer, severe
Spinal cord	Spinal cord cancer, severe
Peripheral nerve	Peripheral nerve cancer, severe
Skin	Skin cancer, severe
Muscle	Muscle cancer, severe
Bone	Bone cancer, severe
Cartilage	Cartilage cancer, severe
Joint	Joint cancer, severe
Eye	Eye cancer, severe
Ear	Ear cancer, severe
Nose	Nose cancer, severe
Throat	Throat cancer, severe
Larynx	Laryngeal cancer, severe
Trachea	Tracheal cancer, severe
Esophagus	Esophageal cancer, severe
Stomach	Gastric cancer, severe
Small intestine	Small intestine cancer, severe
Large intestine	Large intestine cancer, severe
Rectum	Rectal cancer, severe
Anal	Anal cancer, severe
Vagina	Vaginal cancer, severe
Cervix	Cervical cancer, severe
Uterus	Uterine cancer, severe
Ovary	Ovarian cancer, severe
Testis	Testicular cancer, severe
Prostate	Prostate cancer, severe
Bladder	Bladder cancer, severe
Kidney	Kidney cancer, severe
Adrenal	Adrenal cancer, severe
Pituitary	Pituitary cancer, severe
Hypothalamus	Hypothalamic cancer, severe
Brain	Brain cancer, severe
Spinal cord	Spinal cord cancer, severe
Peripheral nerve	Peripheral nerve cancer, severe
Skin	Skin cancer, severe
Muscle	Muscle cancer, severe
Bone	Bone cancer, severe
Cartilage	Cartilage cancer, severe
Joint	Joint cancer, severe
Eye	Eye cancer, severe
Ear	Ear cancer, severe
Nose	Nose cancer, severe
Throat	Throat cancer, severe
Larynx	Laryngeal cancer, severe
Trachea	Tracheal cancer, severe
Esophagus	Esophageal cancer, severe
Stomach	Gastric cancer, severe
Small intestine	Small intestine cancer, severe
Large intestine	Large intestine cancer, severe
Rectum	Rectal cancer, severe
Anal	Anal cancer, severe
Vagina	Vaginal cancer, severe
Cervix	Cervical cancer, severe
Uterus	Uterine cancer, severe
Ovary	Ovarian cancer, severe
Testis	Testicular cancer, severe
Prostate	Prostate cancer, severe
Bladder	Bladder cancer, severe
Kidney	Kidney cancer, severe
Adrenal	Adrenal cancer, severe
Pituitary	Pituitary cancer, severe
Hypothalamus	Hypothalamic cancer, severe
Brain	Brain cancer, severe
Spinal cord	Spinal cord cancer, severe
Peripheral nerve	Peripheral nerve cancer, severe
Skin	Skin cancer, severe
Muscle	Muscle cancer, severe
Bone	Bone cancer, severe
Cartilage	Cartilage cancer, severe
Joint	Joint cancer, severe
Eye	Eye cancer, severe
Ear	Ear cancer, severe
Nose	Nose cancer, severe
Throat	Throat cancer, severe
Larynx	Laryngeal cancer, severe
Trachea	Tracheal cancer, severe
Esophagus	Esophageal cancer, severe
Stomach	Gastric cancer, severe
Small intestine	Small intestine cancer, severe
Large intestine	Large intestine cancer, severe
Rectum	Rectal cancer, severe
Anal	Anal cancer, severe
Vagina	Vaginal cancer, severe
Cervix	Cervical cancer, severe
Uterus	Uterine cancer, severe
Ovary	Ovarian cancer, severe
Testis	Testicular cancer, severe
Prostate	Prostate cancer, severe
Bladder	Bladder cancer, severe
Kidney	Kidney cancer, severe
Adrenal	Adrenal cancer, severe
Pituitary	Pituitary cancer, severe
Hypothalamus	Hypothalamic cancer, severe
Brain	Brain cancer, severe
Spinal cord	Spinal cord cancer, severe
Peripheral nerve	Peripheral nerve cancer, severe
Skin	Skin cancer, severe
Muscle	Muscle cancer, severe
Bone	Bone cancer, severe
Cartilage	Cartilage cancer, severe
Joint	Joint cancer, severe
Eye	Eye cancer, severe
Ear	Ear cancer, severe
Nose	Nose cancer, severe
Throat	Throat cancer, severe
Larynx	Laryngeal cancer, severe
Trachea	Tracheal cancer, severe
Esophagus	Esophageal cancer, severe
Stomach	Gastric cancer, severe
Small intestine	Small intestine cancer, severe
Large intestine	Large intestine cancer, severe
Rectum	Rectal cancer, severe
Anal	Anal cancer, severe
Vagina	Vaginal cancer, severe
Cervix	Cervical cancer, severe
Uterus	Uterine cancer, severe
Ovary	Ovarian cancer, severe
Testis	Testicular cancer, severe
Prostate	Prostate cancer, severe
Bladder	Bladder cancer, severe
Kidney	Kidney cancer, severe
Adrenal	Adrenal cancer, severe
Pituitary	Pituitary cancer, severe
Hypothalamus	Hypothalamic cancer, severe
Brain	Brain cancer, severe
Spinal cord	Spinal cord cancer, severe
Peripheral nerve	Peripheral nerve cancer, severe
Skin	Skin cancer, severe
Muscle	Muscle cancer, severe
Bone	Bone cancer, severe
Cartilage	Cartilage cancer, severe
Joint	Joint cancer, severe
Eye	Eye cancer, severe
Ear	Ear cancer, severe
Nose	Nose cancer, severe
Throat	Throat cancer, severe
Larynx	Laryngeal cancer, severe
Trachea	Tracheal cancer, severe

er v a t i o n s >>  
Gross Free-Text Comments

**UTERUS**

1

**Tissue**

**Necropsy memos**

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## UTERUS

**SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.**

## Tissue

<< . Pathology Observations >>  
 noses / Special histological comments

## UTERUS

**DILATED LUNEN. Moderate. Diffuse.**

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00448 Sex: Female  
Day of death: 133 Status: NORMAL, EUTHANIZED Group: 2 Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.32

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

15

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00449 Sex: Female  
Day of death: 134 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.32

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

17

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Spreague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000452 Sex: Female  
Day of death: 128 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.29

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

9

<< Necropsy Hemos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/Sprague-Dawley

Animal: 87D00454  
 Day of death: 100

Sex: Female  
 Status: NORMAL, EUTHANIZED

Study Start Date: 21-Jul-87

Group: 2

Dose level: 1.3 PPT/day  
 Terminal body weight (kms): 0.34

TERATOLOGY/

Findings, severity

WHITE SPOTS

2

Gross Observations >>  
 Gross Free-Text Comments

<< Necropsy Memos >>

Necropsy memos

SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

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## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
BAT/Sprague-Dawley

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**Individual Animal Data Dump Table**  
**Study Number: 87012F**

Study Start Date: 21-Jul-87

TERATOLOGY/

**Animal: 87D00457**

**Sex: Female**

**Day of death: 100**

Status: NORMAL, EUTHANIZED

**Group: 2**

**Dose level: 1.3 PPT/day**

0.30

Tissue	Finding, severity
Heart	Myocardial infarction, severe
Lungs	Pneumonia, moderate
Stomach	Gastritis, mild
Intestines	Colitis, moderate
Bladder	Cystitis, mild
Prostate	Prostatitis, moderate
Uterus	Endometritis, mild
Vagina	Vaginitis, moderate
Penis	Balanitis, mild
Testes	Orchitis, moderate
Spleen	Splenitis, mild
Liver	Hepatitis, moderate
Gallbladder	Cholecystitis, mild
Pancreas	Pancreatitis, moderate
Skin	Eczema, mild
Bones	Osteoarthritis, moderate
Muscles	Myositis, mild
Nerves	Neuropathy, moderate
Brain	Encephalitis, mild
Spine	Spondylitis, moderate
Eyes	Conjunctivitis, mild
Ears	Otitis, moderate
Nose	Rhinitis, mild
Throat	Tonsillitis, moderate
Salivary glands	Sialadenitis, mild
Thyroid	Thyroiditis, moderate
Parathyroid	Parathyroiditis, mild
Adrenal	Adrenitis, moderate
Pituitary	Pituitaryitis, mild
Hypothalamus	Hypothalamitis, moderate
Brainstem	Brainstemitis, mild
Cerebellum	Cerebellitis, moderate
Cerebrum	Cerebritis, mild
Spinal cord	Spinal corditis, moderate
Spinal nerves	Spinal nerveitis, mild
Peripheral nerves	Peripheral neuropathy, moderate
Autonomic nervous system	Autonomic neuropathy, mild
Immune system	Immunodeficiency, moderate
Endocrine system	Endocrine dysfunction, mild
Reproductive system	Reproductive dysfunction, moderate
Digestive system	Digestive dysfunction, mild
Respiratory system	Respiratory dysfunction, moderate
Circulatory system	Circulatory dysfunction, mild
Excretory system	Excretory dysfunction, moderate
Musculoskeletal system	Musculoskeletal dysfunction, mild
Integumentary system	Integumentary dysfunction, moderate
Sensory system	Sensory dysfunction, mild
Motor system	Motor dysfunction, moderate
Central nervous system	Central nervous system dysfunction, mild
Peripheral nervous system	Peripheral nervous system dysfunction, moderate
Autonomic nervous system	Autonomic nervous system dysfunction, mild
Endocrine system	Endocrine system dysfunction, moderate
Reproductive system	Reproductive system dysfunction, mild
Digestive system	Digestive system dysfunction, moderate
Respiratory system	Respiratory system dysfunction, mild
Circulatory system	Circulatory system dysfunction, moderate
Excretory system	Excretory system dysfunction, mild
Musculoskeletal system	Musculoskeletal system dysfunction, moderate
Integumentary system	Integumentary system dysfunction, mild
Sensory system	Sensory system dysfunction, moderate
Motor system	Motor system dysfunction, mild
Central nervous system	Central nervous system dysfunction, moderate
Peripheral nervous system	Peripheral nervous system dysfunction, mild
Autonomic nervous system	Autonomic nervous system dysfunction, moderate
Endocrine system	Endocrine system dysfunction, mild
Reproductive system	Reproductive system dysfunction, moderate
Digestive system	Digestive system dysfunction, mild
Respiratory system	Respiratory system dysfunction, moderate
Circulatory system	Circulatory system dysfunction, mild
Excretory system	Excretory system dysfunction, moderate
Musculoskeletal system	Musculoskeletal system dysfunction, mild
Integumentary system	Integumentary system dysfunction, moderate
Sensory system	Sensory system dysfunction, mild
Motor system	Motor system dysfunction, moderate
Central nervous system	Central nervous system dysfunction, mild
Peripheral nervous system	Peripheral nervous system dysfunction, moderate
Autonomic nervous system	Autonomic nervous system dysfunction, mild
Endocrine system	Endocrine system dysfunction, moderate
Reproductive system	Reproductive system dysfunction, mild
Digestive system	Digestive system dysfunction, moderate
Respiratory system	Respiratory system dysfunction, mild
Circulatory system	Circulatory system dysfunction, moderate
Excretory system	Excretory system dysfunction, mild
Musculoskeletal system	Musculoskeletal system dysfunction, moderate
Integumentary system	Integumentary system dysfunction, mild
Sensory system	Sensory system dysfunction, moderate
Motor system	Motor system dysfunction, mild
Central nervous system	Central nervous system dysfunction, moderate
Peripheral nervous system	Peripheral nervous system dysfunction, mild
Autonomic nervous system	Autonomic nervous system dysfunction, moderate
Endocrine system	Endocrine system dysfunction, mild
Reproductive system	Reproductive system dysfunction, moderate
Digestive system	Digestive system dysfunction, mild
Respiratory system	Respiratory system dysfunction, moderate
Circulatory system	Circulatory system dysfunction, mild
Excretory system	Excretory system dysfunction, moderate
Musculoskeletal system	Musculoskeletal system dysfunction, mild
Integumentary system	Integumentary system dysfunction, moderate
Sensory system	Sensory system dysfunction, mild
Motor system	Motor system dysfunction, moderate
Central nervous system	Central nervous system dysfunction, mild
Peripheral nervous system	Peripheral nervous system dysfunction, moderate
Autonomic nervous system	Autonomic nervous system dysfunction, mild
Endocrine system	Endocrine system dysfunction, moderate
Reproductive system	Reproductive system dysfunction, mild
Digestive system	Digestive system dysfunction, moderate
Respiratory system	Respiratory system dysfunction, mild
Circulatory system	Circulatory system dysfunction, moderate
Excretory system	Excretory system dysfunction, mild
Musculoskeletal system	Musculoskeletal system dysfunction, moderate
Integumentary system	Integumentary system dysfunction, mild
Sensory system	Sensory system dysfunction, moderate
Motor system	Motor system dysfunction, mild
Central nervous system	Central nervous system dysfunction, moderate
Peripheral nervous system	Peripheral nervous system dysfunction, mild
Autonomic nervous system	Autonomic nervous system dysfunction, moderate
Endocrine system	Endocrine system dysfunction, mild
Reproductive system	Reproductive system dysfunction, moderate
Digestive system	Digestive system dysfunction, mild
Respiratory system	Respiratory system dysfunction, moderate
Circulatory system	Circulatory system dysfunction, mild
Excretory system	Excretory system dysfunction, moderate
Musculoskeletal system	Musculoskeletal system dysfunction, mild
Integumentary system	Integumentary system dysfunction, moderate
Sensory system	Sensory system dysfunction, mild
Motor system	Motor system dysfunction, moderate
Central nervous system	Central nervous system dysfunction, mild
Peripheral nervous system	Peripheral nervous system dysfunction, moderate
Autonomic nervous system	Autonomic nervous system dysfunction, mild
Endocrine system	Endocrine system dysfunction, moderate
Reproductive system	Reproductive system dysfunction, mild
Digestive system	Digestive system dysfunction, moderate
Respiratory system	Respiratory system dysfunction, mild
Circulatory system	Circulatory system dysfunction, moderate
Excretory system	Excretory system dysfunction, mild
Musculoskeletal system	Musculoskeletal system dysfunction, moderate
Integumentary system	Integumentary system dysfunction, mild
Sensory system	Sensory system dysfunction, moderate
Motor system	Motor system dysfunction, mild
Central nervous system	Central nervous system dysfunction, moderate
Peripheral nervous system	Peripheral nervous system dysfunction, mild
Autonomic nervous system	Autonomic nervous system dysfunction, moderate
Endocrine system	Endocrine system dysfunction, mild
Reproductive system	Reproductive system dysfunction, moderate
Digestive system	Digestive

<< Gross Observations >>  
Gross Free-Text Comments

**Reservations >>  
Gross Free-Text Comments**

WHOLE BODY	NO LESIONS RECOGNIZED
100%	100%

**UTERUS**

8

**Tissue**

<< Necropsy Memos >>

**No necropsy memos recorded on animal**

Tissue	Histopathologic diagnoses / Special histological	<< Pathology Observations >>
--------	--------------------------------------------------	------------------------------

<< Pathology Observations >>  
 noses / Special histological comments

**All protocol required tissues normal.**

# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000462 Sex: Female  
Day of death: 116 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.29

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

7

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< Pathology Observations >>

All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00463 Sex: Female  
Day of death: 122 Status: NORMAL, EUTHANIZED Group: 2 Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.31

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

11

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< P a t h o l o g y O b s e r v a t i o n s >>

Tissue Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000464 Sex: Female  
Day of death: 123 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.28

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

14

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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 RAT/Sprague-Dawley

Animal: 87D00468      Sex: Female  
 Day of death: 106      Status: NORMAL, EUTHANIZED

Study Start Date: 21-Jul-87      Group: 2      Dose level: 1.3 ppt/day  
 Study Number: 87012F      Terminal body weight (kms): 0.31

TERATOLOGY/  
 Tissue      Finding, severity      << Gross Observations >>  
 WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments

Tissue      Necropsy memos      << Necropsy Memos >>  
 UTERUS      SPERM POSITIVE 26 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue      << Pathology Observations >>  
 All protocol required tissues normal.

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## Appendix O (Cont.): PATHOLOGY

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 RAT/Sprague-Dawley

Animal: 87D00473      Sex: Female  
 Day of death: 128      Status: NORMAL, EUTHANIZED

Individual Animal Data Dump Table  
 Study Number: 87012F

Study Start Date: 21-Jul-87      Group: 2      Dose level: 1.3 PPT/day  
 Terminal body weight (kms): 0.30

TERATOLOGY/

<< Gross Observations >>

Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 13

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

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## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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```

-----
Animal: 87D00475      Sex: Female      Study Start Date: 21-Jul-87      TERATOLOGY/
Day of death: 128     Status: NORMAL, EUTHANIZED      Group: 2      Dose level: 1.3 PPT/day
-----
Tissue      Finding, severity      << Gross Observations >>      Terminal body weight (kms): 0.28
-----
UTERUS      INVOLUTION SITES      8      Gross Free-Text Comments
      MESOMETRIAL ADHESION, Mild      FOCAL
-----
Tissue      Necropsy memos      << Necropsy Memos >>
-----
No necropsy memos recorded on animal
-----
Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>
-----
All protocol required tissues normal.

```

## Appendix O (Cont.): PATHOLOGY

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LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00476  
Day of death: 140

Sex: Female  
Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.32

<< Gross Observations >>  
Gross Free-Text Comments

Finding, severity

NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

15

<< Necropsy Memos >>

Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

Tissue

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Spreague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00487 Sex: Female  
Day of death: 100 Status: NORMAL, EUTHANIZED

Group: 2

Terminal body weight (kms): 1.3 PPT/day  
0.36

Tissue Finding, severity  
NO LESIONS RECOGNIZED

<< Gross Observations >>  
Gross Free-Text Comments

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
All protocol required tissues normal.

<< Pathology Observations >>

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00488 Sex: Female  
Day of death: 143 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.36

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

12

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< Pathology Observations >>

All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000491

Sex: Female

Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day

Terminal body weight (kms): 0.41

Day of death: 106

Tissue Finding, severity

UTERUS WHITE SPOTS

<< Gross Observations >>

Gross Free-Text Comments

2

<< Necropsy Memos >>

Tissue Necropsy memos

UTERUS SPERM POSITIVE 26 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue << Pathology Observations >>

Mistopathologic diagnoses / Special histological comments

All protocol required tissues normal.

# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

Animal: 87000492	Sex: Female	Group: 2	Dose level: 1.3 PPT/day	TERATOLOGY/ Dose level: 1.3 PPT/day Terminal body weight (kms): 0.32
Day of death: 106	Status: NORMAL, EUTHANIZED			

Tissue	Finding, severity	<< G r o s s    O b s e r v a t i o n s    >>
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments

Tissue	Necropsy memos	<<    N e c r o p s y    M e m o s    >>
No necropsy memos recorded on animal		

Tissue	Mistopathologic diagnoses / Special histological comments	<<    P a t h o l o g y    O b s e r v a t i o n s    >>
All protocol required tissues normal.		

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00495 Sex: Female  
Day of death: 140 Status: NORMAL, EUTHANIZED Group: 2 Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.34

Tissue Finding, severity  
Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 8

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments >>  
All protocol required tissues normal.

# Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00499 Sex: Female  
Day of death: 133 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.33

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED  
Gross observations >>  
Gross Free-Text Comments

UTERUS INVOLUTION SITES

15

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / special histological comments  
<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

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Animal: 87000501	Sex: Female	Group: 2	Dose level: 1.3 PPT/day	TERATOLOGY/
Day of death: 130	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.28	
Tissue	Finding, severity	<< Gross observations >>		
UTERUS	PARTIALLY RESORBED FETUS	Gross Free-Text Comments		
		TWO EACH		
Tissue	Necropsy memos	<< Necropsy Memos >>		
	No necropsy memos recorded on animal			
Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>		
	All protocol required tissues normal.			

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000502 Sex: Female  
Day of death: 133 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.30

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

14

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000518

Sex: Female

Group: 2

Dose level: 1.3 PPT/day

0.33

Day of death: 130

Status: NORMAL, EUTHANIZED

Terminal body weight (kms):

0.33

Tissue Finding, severity

<< Gross Observations >>

Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

16

Tissue Necropsy memos

<< Necropsy Memos >>

No necropsy memos recorded on animal

Tissue

<< Pathology Observations >>

Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

# Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000519 Sex: Female  
Day of death: 115 Status: NORMAL, EUTHANIZED

Group: 2 Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.31

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

3

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< P a t h o l o g y O b s e r v a t i o n s >>

Tissue Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00522 Sex: Female  
Day of death: 130 Status: NORMAL, EUTHANIZED  
Group: 2 Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.31

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

14

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< P a t h o l o g y O b s e r v a t i o n s >>

Tissue Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00529 Sex: Female  
Day of death: 115 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.31

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

13

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
 Study Number: 87012F

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Study Start Date: 21-Jul-87

Animal: 87D00531

Sex: Female

Day of death: 133

Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day

Terminal body weight (kms): 0.27

TERATOLOGY/

Tissue Finding, severity << Gross Observations >>  
 NO LESIONS RECOGNIZED Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

11

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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**Individual Animal Data Dump Table**  
**Study Number: 87012F**

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00533  
Day of death: 134  
Sex: Female  
Status: NORMAL

**Group: 2**

Dose level:	1.3 ppt/day
Terminal body weight (kms):	0.33

<< Gross	Observations	>>
		Gross Free-Text Comments

Tissue	Finding, severity
WHOLE BODY	NO LESIONS RECOGNIZED

18

## INVOLUTION SITES

AA  
S  
O  
E  
E  
X  
Y  
Necropsy  
VV

**Tissue** ..... **Necropsy memos** .....  
**No necropsy memos recorded on animal**

>> Pathology observations >>  
 noses / Special histological comments

**All protocol required tissues normal.**

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00534 Sex: Female  
Day of death: 133 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.28

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

15

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00536 Sex: Female  
Day of death: 133 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.29

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

10

UTERUS INVOLUTION SITES

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< P a t h o l o g y O b s e r v a t i o n s >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00544      Sex: Female      Dose level: 1.3 PPT/day  
Day of death: 128      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.32

Tissue      Finding, severity      << Gross Observations >>  
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments

UTERUS      INVOLUTION SITES      3

Tissue      Necropsy memos      << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

PRINTED: 16-Apr-90  
Page: 95

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000549 Sex: Female  
Day of death: 134 Status: NORMAL, EUTHANIZED

Group: 2 Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.32

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

15

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< Pathology Observations >>

All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00808 Sex: Female  
Day of death: 170 Status: NORMAL, EUTHANIZED Group: 2 Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.32

Tissue Finding, severity  
Gross observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 16

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00828 Sex: Female  
Day of death: 147 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day

0.40

Terminal body weight (kms):

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

2

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / special histological comments  
<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000844 Sex: Female  
Day of death: 185 Status: NORMAL, EUTHANIZED

Group: 2 Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.31

Tissue Finding, severity << G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

11

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << P a t h o l o g y O b s e r v a t i o n s >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000854 Sex: Female  
Day of death: 168 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.33

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

15

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000864 Sex: Female  
Day of death: 170 Status: NORMAL, EUTHANIZED

Group: 2 Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.35

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

9

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00866  
Day of death: 169

Sex: Female  
Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.34

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

17

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000886 Sex: Female  
Day of death: 182 Status: NORMAL, EUTHANIZED Group: 2 Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.33  
Gross observations >>  
Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

12

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Necropsy Memos >>

Tissue Histopathologic diagnoses / Special histological comments

<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 8700892 Sex: Female  
Day of death: 172 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.30

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

9

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000900      Sex: Female      Group: 2      Dose level: 1.3 PPT/day  
Day of death: 149      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.33

Tissue      Finding, severity      << Gross Observations >>      Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES      12

Tissue      Necropsy memos      << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000902 Sex: Female  
Day of death: 169 Status: NORMAL, EUTHANIZED

Group: 2

Terminal body weight (kms): 1.3 PPT/day  
Dose level: 0.35

Tissue Finding, severity << Gross Observations >> Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

16

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000904 Sex: Female  
Day of death: 172 Status: NORMAL, EUTHANIZED Group: 2 Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.32

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED  
Gross Observations >>  
Gross Free-Text Comments

UTERUS INVOLUTION SITES 12

Tissue Necropsy memos  
No necropsy memos recorded on animal  
<< Necropsy Memos >>

Tissue Histopathologic diagnoses / Special histological comments  
All protocol required tissues normal.  
<< Pathology Observations >>

## Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00908 Sex: Female  
Day of death: 169 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.32

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 14

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00914 Sex: Female  
Day of death: 185 Status: NORMAL, EUTHANIZED

Group: 2 Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.28

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

14

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00926 Sex: Female  
Day of death: 169 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.27

<< G r o s s    O b s e r v a t i o n s    >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

9

<< N e c r o p s y    M e m o s    >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< P a t h o l o g y    O b s e r v a t i o n s    >>

All protocol required tissues normal.

**Appendix O (Cont.): PATHOLOGY**

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

## TERATOLOGY/

**Animal: 87D00928**

**Sex: Female**

**Day of death: 175**

Status: NORMAL, EUTHANIZED

**Group: 2**

Dose level:	1.3 ppt/day
Terminal body weight (kms):	0.30

Tissue	Finding, severity
Adipose	Adipocytes with foamy appearance, mild
Cardiac muscle	Myocytes with foamy appearance, mild
Connective tissue	Interstitial cells with foamy appearance, mild
Epithelium	Epithelial cells with foamy appearance, mild
Endothelium	Endothelial cells with foamy appearance, mild
Intestine	Intestinal cells with foamy appearance, mild
Liver	Hepatocytes with foamy appearance, mild
Muscle	Muscle fibers with foamy appearance, mild
Nerve	Nerve fibers with foamy appearance, mild
Other	Other cells with foamy appearance, mild

<< Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY	NO LESIONS RECOGNIZED
100%	100%

**UTERUS**  
**INVOLUTION SITES**

15

**Tissue**

# Memos

**No necropsy memos recorded on animal**

Tissue

<< Pathology Observations >>

Histopathologic diagnoses / Special histological comments

**All protocol required tissues normal.**

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00942 Sex: Female  
Day of death: 170 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.31

<< G r o s s    O b s e r v a t i o n s    >>  
Gross Free-Text Comments

Tissue            Finding, severity  
WHOLE BODY       NO LESIONS RECOGNIZED

<<   N e c r o p s y    M e m o s    >>

Tissue            Necropsy memos  
No necropsy memos recorded on animal

<<   P a t h o l o g y    O b s e r v a t i o n s    >>  
Histopathologic diagnoses / Special histological comments

Tissue  
All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00948      Sex: Female      Group: 2      Dose level: 1.3 PPT/day  
Day of death: 171      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.33  
-----  
Tissue      Finding, severity      << Gross Observations >>      Dose level: 1.3 PPT/day  
-----  
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments      0.33  
-----  
UTERUS      INVOLUTION SITES      14

<< Necropsy Memos >>

Tissue      Necropsy memos  
-----  
No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue      Histopathologic diagnoses / Special histological comments  
-----  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00958 Sex: Female Status: NORMAL, EUTHANIZED Group: 2 Dose level: 1.3 PPT/day  
Day of death: 154 Terminal body weight (kms): 0.40

Tissue Finding, severity << Gross Observations >> Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

UTERUS SPERM POSITIVE 28 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAY/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00960 Sex: Female  
Day of death: 171 Status: NORMAL, EUTHANIZED Group: 2 Dose level: 1.3 PPT/day  
Finding, severity Terminal body weight (kms): 0.35  
Gross Observations >>  
Gross Free-Text Comments  
NO LESIONS RECOGNIZED  
INVOLUTION SITES 14

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00964      Sex: Female      Group: 2      Dose level: 1.3 PPT/day  
Day of death: 171      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.35

Tissue      Finding, severity      << Gross observations >>      Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES

12

<< Necropsy Memos >>

Tissue      Necropsy memos

No necropsy memos recorded on animal

Tissue      << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00415	Sex: Female	Group: 3	Dose level: 4.0 PPT/day
Day of death: 98	Status: NORMAL, EUTHANIZED	Terminal body weight (kms): 0.26	
	<< Gross Observations >>		
	Gross Free-Text Comments		
	4		

Tissue	Finding, severity
UTERUS	WHITE SPOTS

Tissue	Necropsy memos
UTERUS	SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue	Histopathologic diagnoses / Special histological comments
UTERUS	INFLAMMATION, LYMPHOCYTIC, slight, Multifocal. DILATED LUMEN, Mild, Diffuse.

<< Pathology Observations >>

<< Necropsy Memos >>

## Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000417 Sex: Female Group: 3 Dose level: 4.0 PPT/day  
Day of death: 133 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.30

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 14

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue << Pathology Observations >>

Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Animal: 87000420	Sex: Female	Group: 3	Dose level: 4.0 ppt/day	TERATOLOGY/
Day of death: 119	Status: NORMAL, EUTHANIZED	Terminal body weight (kms): 0.29		
	<< Gross Observations >>			
Tissue	Finding, severity	Gross Free-Text Comments		
TAIL	DIARRHEA STAINING			
UTERUS	INVOLUTION SITES			
		16		
Tissue	Necropsy memos	<< Necropsy Memos >>		
No necropsy memos recorded on animal				
Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>		
All protocol required tissues normal.				

# Appendix O (Cont.): PATHOLOGY

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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00422 Sex: Female  
Day of death: 98 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.23

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

4

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

Tissue  
All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87		TERATOLOGY/	
Animal: 87000427	Sex: Female	Group: 3	Dose level: 4.0 PPT/day
Day of death: 122	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.29
<< Gross observations >>			
Tissue	Finding, severity	Gross Free-Text Comments	
WHOLE BODY	NO LESIONS RECOGNIZED		
UTERUS	INVOLUTION SITES	13	
<< Necropsy Memos >>			
Tissue	Necropsy memos		
No necropsy memos recorded on animal			
<< Pathology Observations >>			
Tissue	Mistopathologic diagnoses / Special histological comments		
All protocol required tissues normal.			

## Appendix O (Cont.): PATHOLOGY

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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000432      Sex: Female      Group: 3      Dose level: 4.0 PPT/day  
Day of death: 119      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.29

Tissue      Finding, severity      << Gross Observations >>  
TAIL      DIARRHEA STAINING      Gross Free-Text Comments

UTERUS      INVOLUTION SITES      15

<< Necropsy Memos >>

Tissue      Necropsy memos  
No necropsy memos recorded on animal

Tissue      << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00435 Sex: Female  
Day of death: 122 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.30

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY EMACIATION, Trace  
UTERUS INVOLUTION SITES

4

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000436 Sex: Female Group: 3 Dose level: 4.0 PPT/day  
Day of death: 100 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.30

Tissue Finding, severity << GROSS Observations >>  
Gross Free-text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

UTERUS SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00443      Sex: Female      Group: 3      Dose level: 4.0 PPT/day  
Day of death: 119      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.31

Tissue      Finding, severity      << Gross Observations >>      Gross Free-Text Comments

UTERUS      INVOLUTION SITES

9

LIVER      WHITE AREAS ON CAPSULE

<< Necropsy Memos >>

Tissue      Necropsy memos

LIVER      APPEARANCE PROBABLY DUE TO EUTHANASIA SOLUTION.

Tissue      << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00444 Sex: Female Group: 3 Dose level: 4.0 PPT/day  
Day of death: 106 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.27

Tissue Finding, severity << Gross Observations >> Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

UTERUS SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Animal: 87D00453	Sex: Female	Group: 3	Dose level: 4.0 PPT/day	TERATOLOGY/
Day of death: 102	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.29	
	<< Gross Observations >>			
Tissue	Finding, severity	Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED			
	<< Necropsy Memos >>			
Tissue	Necropsy memos			
UTERUS	SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.			
	<< Pathology Observations >>			
Tissue	Mistopathologic diagnoses / Special histological comments			
All protocol required tissues normal.				

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000455 Sex: Female  
Day of death: 102 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 ppt/day  
Terminal body weight (kms): 0.36

Tissue Finding, severity NO LESIONS RECOGNIZED  
Tissue Necropsy memos  
UTERUS SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

<< Gross Observations >>  
<< Necropsy Memos >>

Tissue Histopathologic diagnoses / Special histological comments  
All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Animal: 87000456	Sex: Female	Study Start Date: 21-Jul-87	Group: 3	Dose level: 4.0 PPT/day	TERATOLOGY/
Day of death: 122	Status: NORMAL, EUTHANIZED			Terminal body weight (kms): 0.29	
		<< Gross Observations >>			
Tissue	Finding, severity				
WHOLE BODY	NO LESIONS RECOGNIZED				
UTERUS	INVOLUTION SITES	10			
		<< Necropsy Memos >>			
Tissue	Necropsy memos				
No necropsy memos recorded on animal					
Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>			
All protocol required tissues normal.					

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000459 Sex: Female  
Day of death: 123 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.31

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

6

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< P a t h o l o g y O b s e r v a t i o n s >>  
Histopathologic diagnoses / Special histological comments

Tissue  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000466 Sex: Female  
Day of death: 128 Status: NORMAL, EUTHANIZED

Group: 3 Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.29

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

12

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000469      Sex: Female      Group: 3      Dose level: 4.0 PPT/day  
Day of death: 123      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.33

<< G r o s s    O b s e r v a t i o n s    >>  
Gross Free-Text Comments

Tissue      Finding, severity

WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES

15

<< N e c r o p s y    M e m o s    >>

Tissue      Necropsy memos

No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / special histological comments  
<< P a t h o l o g y    O b s e r v a t i o n s    >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000471 Sex: Female  
Day of death: 130 Status: NORMAL, EUTHANIZED Group: 3 Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.29

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED  
UTERUS INVOLUTION SITES

12

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
All protocol required tissues normal.

<< Necropsy Memos >>

<< Pathology Observations >>

<< Gross Observations >>  
Gross Free-Text Comments

## Appendix O (Cont.): PATHOLOGY

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RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000478 Sex: Female  
Day of death: 128 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.29

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

UTERUS

INVOLUTION SITES

13

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / special histological comments  
<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000480 Sex: Female Status: NORMAL, EUTHANIZED Group: 3 Dose level: 4.0 PPT/day  
Day of death: 130 Terminal body weight (kms): 0.31

Tissue Finding, severity << Gross Observations >> Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 14

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00686 Sex: Female Status: NORMAL, EUTHANIZED Group: 3 Dose level: 4.0 PPT/day  
Day of death: 108 Terminal body weight (kms): 0.34

Tissue Finding, severity << Gross Observations >> Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

UTERUS SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

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RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

Animal: 87000489	Sex: Female	Group: 3	Dose level: 4.0 PPT/day	TERATOLOGY/
Day of death: 106	Status: NORMAL, EUTHANIZED	Terminal body weight (kms): 0.41		

Tissue	Finding, severity	Gross observations	Gross Free-Text Comments
UTERUS	WHITE SPOTS	2	

Tissue	Necropsy memos	Memos
UTERUS	SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.	

Tissue	Histopathologic diagnoses / Special histological comments
	All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Animal: 87D00490      Sex: Female      Study Start Date: 21-Jul-87      TERATOLOGY/  
Day of death: 128      Status: NORMAL, EUTHANIZED      Group: 3      Terminal body weight (kms): 4.0 PPT/day  
Dose level: 0.31

Tissue      Finding, severity      << Gross Observations >>      Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES      13

<< Necropsy Memos >>

Tissue      Necropsy memos

No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00493      Sex: Female      Group: 3      Dose level: 4.0 PPT/day  
Day of death: 108      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.26

<< G r o s s      O b s e r v a t i o n s      >>  
Gross Free-Text Comments

Tissue      Finding, severity  
WHOLE BODY      NO LESIONS RECOGNIZED

<< N e c r o p s y      M e m o s      >>

Tissue      Necropsy memos  
UTERUS      SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

<< P a t h o l o g y      O b s e r v a t i o n s      >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000494 Sex: Female  
Day of death: 130 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.28

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

12

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00508 Sex: Female  
Day of death: 144 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.30

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

7

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/Sprague-Dawley

Animal: 87D00511      Sex: Female  
 Day of death: 133      Status: NORMAL, EUTHANIZED  
 Study Start Date: 21-Jul-87      Group: 3      Dose level: 4.0 PPT/day  
 Study Number: 87012F      Terminal body weight (kms): 0.29

TERATOLOGY/  
 << G r o s s    O b s e r v a t i o n s    >>  
 Gross Free-Text Comments

Tissue      Finding, severity  
 WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES      15

<< N e c r o p s y    M e m o s    >>

Tissue      Necropsy memos  
 No necropsy memos recorded on animal

<< P a t h o l o g y    O b s e r v a t i o n s    >>  
 Tissue      Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

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## Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00515 Sex: Female

Group: 3

Dose level:

4.0 PPT/day

Day of death: 133

Status: NORMAL, EUTHANIZED

Terminal body weight (kms):

0.31

Tissue Finding, severity

<< G r o s s O b s e r v a t i o n s >>

Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

16

Tissue Necropsy memos

<< N e c r o p s y M e m o s >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments

<< P a t h o l o g y O b s e r v a t i o n s >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00516 Sex: Female  
Day of death: 115 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.29

Tissue Finding, severity << Gross Observations >> Gross Free-Text Comments

LIVER CONGESTED  
WHITE AREAS ON CAPSULE

UTERUS INVOLUTION SITES

15

Tissue Necropsy memos << Necropsy Memos >>

LIVER APPEARANCE OF LIVER PROBABLY DUE TO INJECTION OF EUTHANASIA SOLUTION

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/Sprague-Dawley

Animal: 87D00524      Sex: Female  
 Day of death: 128      Status: NORMAL, EUTHANIZED

Study Start Date: 21-Jul-87      Group: 3      Dose level: 4.0 PPT/day  
 Study Number: 87012F      Terminal body weight (kms): 0.29

TERATOLOGY/

<< Gross Observations >>  
 Gross Free-Text Comments

Finding, severity  
 NO LESIONS RECOGNIZED

<< Necropsy Memos >>  
 Necropsy memos  
 SPERM POSITIVE 27 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

<< Pathology Observations >>  
 Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

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# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH		Individual Animal Data Dump Table		PRINTED: 16-Apr-90
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PRESIDIO OF SAN FRANCISCO, CA 94129				
RAT/Sprague-Dawley				
Animal: 87D00526		Sex: Female	Study Start Date: 21-Jul-87	TERATOLOGY/
Day of death: 134	Status: NORMAL, EUTHANIZED	Group: 3	Dose level: 4.0 PPT/day	
			Terminal body weight (kms): 0.25	
		<< Gross Observations >>		
Tissue	Finding, severity			
WHOLE BODY	NO LESIONS RECOGNIZED			
UTERUS	INVOLUTION SITES			
		13		
		<< Necropsy Memos >>		
Tissue	Necropsy memos			
	No necropsy memos recorded on animal			
Tissue	Histopathologic diagnoses / Special histological comments			
	All protocol required tissues normal.			

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00527 Sex: Female  
Day of death: 144 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPY/day  
Terminal body weight (kms): 0.36

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

14

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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 RAT/Sprague-Dawley

Animal: 8700537      Sex: Female  
 Day of death: 133      Status: NORMAL, EUTHANIZED

Study Start Date: 21-Jul-87      Group: 3      Dose level: 4.0 PPT/day  
 Study Number: 87012F      Terminal body weight (kms): 0.32

TERATOLOGY/  
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Findings, severity      << Gross observations >>  
 NO LESIONS RECOGNIZED      Gross Free-Text Comments

UTERUS      INVOLUTION SITES      11

Tissue      Necropsy memos      << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>

All protocol required tissues normal.

**Appendix O (Cont.): PATHOLOGY**

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

**Individual Animal Data Dump Table**  
**Study Number: 87012f**

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00543

**Sex: Female**

**Day of death: 148**

Status: NORMAL, EUTHANIZED

**Group: 3**

**Dose level: 4.0 PPT/day**

4.0 ppt/day

0.31

[illegible]

<< Gross	Observations	>>
	Gross Free-Text	Comments

	Gross	Free-Text	Comments
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100			

	WHOLE BODY	NO LESIONS RECOGNIZED
100%	98%	97%
90%	96%	95%
80%	94%	93%
70%	92%	91%
60%	90%	89%
50%	88%	87%
40%	86%	85%
30%	84%	83%
20%	82%	81%
10%	80%	79%
0%	78%	77%

**UTERUS**

14

**Tissue**

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**No necropsy memos recorded on animal**

Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>

## << Pathology Observations >>

**All protocol required tissues normal.**

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/Sprague-Dawley

Animal: 87D00547      Sex: Female  
 Day of death: 133      Status: NORMAL, EUTHANIZED

Individual Animal Data Dump Table  
 Study Number: 87012F

Study Start Date: 21-Jul-87

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TERATOLOGY/  
 Dose level: 4.0 PPT/day  
 Terminal body weight (kms): 0.30

<< G r o s s    O b s e r v a t i o n s    >>  
 Gross Free-Text Comments

Finding, severity  
 NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES      11

<<    N e c r o p s y    M e m o s    >>

Necropsy memos

No necropsy memos recorded on animal

<<    P a t h o l o g y    O b s e r v a t i o n s    >>  
 Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000804

Sex: Female

Group: 3

Status: NORMAL, EUTHANIZED

Dose level: 4.0 PPT/day

0.35

Terminal body weight (kms):

Tissue Finding, severity

<< Gross Observations >>

Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

11

Tissue Necropsy memos

<< Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments

<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Animal: 8700806	Sex: Female	Group: 3	Study Start Date: 21-Jul-87	TERATOLOGY/
Day of death: 140	Status: NORMAL, EUTHANIZED	Terminal body weight (kms):	Dose level: 4.0 PPT/day	
			0.34	
Tissue	Finding, severity	<< Gross Observations >>		
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments		
		<< Necropsy Memos >>		
Tissue	Necropsy memos			
	No necropsy memos recorded on animal			
Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>		
	All protocol required tissues normal.			



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000812 Sex: Female  
Day of death: 168 Status: NORMAL, EUTHANIZED

Group: 3 Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.38

Tissue Finding, severity << Gross Observations >>  
Gross Free-text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

13

<< Necropsy Memos >>

Tissue Necropsy memos

UTERUS SPERM POSITIVE 27 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/Sprague-Dawley

Individual Animal Data Dump Table  
 Study Number: 87012F  
 Study Start Date: 21-Jul-87

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Animal: 87000818 Sex: Female  
 Day of death: 140 Status: NORMAL, EUTHANIZED  
 Group: 3  
 Dose level: 4.0 PPT/day  
 Terminal body weight (kms): 0.41

Tissue Finding, severity  
 WHOLE BODY NO LESIONS RECOGNIZED  
 Gross Observations >>  
 Gross Free-text Comments

## << Necropsy Memos >>

Tissue Necropsy memos  
 No necropsy memos recorded on animal

## << Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments  
 All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

PRINTED: 16-Apr-90  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00826 Sex: Female  
Day of death: 176 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.33

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 16

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

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LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.32

Animal: 87000836  
Sex: Female  
Status: NORMAL, EUTHANIZED

Group: 3

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

13

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

Tissue

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

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TERATOLOGY/

Animal: 87000840 Sex: Female  
Day of death: 182 Status: NORMAL, EUTHANIZED Group: 3 Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.36

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

11

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< P a t h o l o g y O b s e r v a t i o n s >>  
Tissue Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

PRINTED: 16-Apr-90  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000846

Sex: Female

Group: 3

Dose level: 4.0 PPT/day

Day of death: 168

Status: NORMAL, EUTHANIZED

Terminal body weight (kms): 0.28

<< G R O S S    O b s e r v a t i o n s    >>  
Gross Free-Text Comments

Finding, severity

WHOLE BODY    NO LESIONS RECOGNIZED

UTERUS    INVOLUTION SITES

10

<< N e c r o p s y    M e m o s    >>

Tissue    Necropsy memos

No necropsy memos recorded on animal

<< P a t h o l o g y    O b s e r v a t i o n s    >>  
Histopathologic diagnoses / Special histological comments

Tissue

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAI/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Page: 158

Animal: 87000850		Sex: female	Group: 3	Dose level: 4.0 PPT/day	TERATOLOGY/ -----
Day of death: 155		Status: NORMAL, EUTHANIZED	Terminal body weight (kms): 0.33		
Tissue	Finding, severity	<< Gross observations >>			
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments			
-----					
Tissue	Necropsy memos	<< Necropsy Memos >>			
UTERUS	SPERM POSITIVE 26 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.	-----			
-----					
Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>			
All protocol required tissues normal.					

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/Sprague-Dawley

Animal: 87000860  
 Day of death: 147  
 Sex: Female  
 Status: NORMAL, EUTHANIZED  
 Study Start Date: 21-Jul-87  
 Study Number: 87012F  
 Individual Animal Data Dump Table  
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TERATOLOGY/  
 Dose level: 4.0 PPT/day  
 Terminal body weight (kms): 0.36

Group: 3  
 Observations >>  
 Gross Free-Text Comments  
 6

Findings, severity  
 WHITE SPOTS

Necropsy memos  
 SPERM POSITIVE 26 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Pathology Observations >>  
 Histopathologic diagnoses / Special histological comments  
 INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000870      Sex: Female      Group: 3      Dose level: 4.0 PPT/day  
Day of death: 143      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.38

Tissue      Finding, severity      << Gross Observations >>  
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments

Tissue      Necropsy memos      << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000882      Sex: Female      Group: 3      Dose level: 4.0 PPT/day  
Day of death: 169      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.29

Tissue      Finding, severity      << G r o s s      O b s e r v a t i o n s      >>  
Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES      10

<< N e c r o p s y      M e m o s      >>

Tissue      Necropsy memos

No necropsy memos recorded on animal

<< P a t h o l o g y      O b s e r v a t i o n s      >>

Tissue      Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 8700888

Sex: Female

Group: 3

Status: NORMAL, EUTHANIZED

Dose level: 4.0 PPT/day

Terminal body weight (kms): 0.33

Day of death: 149

Tissue Finding, severity

<< Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

UTERUS SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue Histopathologic diagnoses / Special histological comments >>  
<< Pathology Observations >>

All protocol required tissues normal.

# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAI/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000890 Sex: Female Group: 3 Dose level: 4.0 PPT/day  
Day of death: 169 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.31

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

13

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Animal: 87000906      Sex: Female      Study Start Date: 21-Jul-87      TERATOLOGY/  
Day of death: 169      Status: NORMAL, EUTHANIZED      Group: 3      Dose level: 4.0 PPT/day  
-----      -----      -----      -----      -----  
Tissue      Finding, severity      << Gross Observations >>      Terminal body weight (kms): 0.33  
-----      -----      -----      -----  
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments  
-----      -----  
UTERUS      INVOLUTION SITES      -----  
-----      -----      -----  
Tissue      Necropsy memos      << Necropsy Memos >>      -----  
-----      -----      -----  
No. necropsy memos recorded on animal      -----  
-----  
Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>      -----  
-----      -----      -----  
All protocol required tissues normal.

# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00910 Sex: Female  
Day of death: 186 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.33

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED  
UTERUS INVOLUTION SITES

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

13

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
All protocol required tissues normal.

<< P a t h o l o g y O b s e r v a t i o n s >>

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000918 Sex: Female  
Day of death: 170 Status: NORMAL, EUTHANIZED

Group: 3 Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.32

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

15

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< P a t h o l o g y O b s e r v a t i o n s >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/Sprague-Dawley

Animal: 87D00920      Sex: Female  
 Day of death: 175      Status: NORMAL, EUTHANIZED  
 Study Start Date: 21-Jul-87      Group: 3      Dose level: 4.0 PPT/day  
 Study Number: 87012F      Terminal body weight (kms): 0.33  
 PRINTED: 16-Apr-90  
 Page: 167  
 TERATOLOGY/

<< C r o s s      O b s e r v a t i o n s      >>  
 Gross Free-Text Comments

Tissue      Finding, severity  
 WHOLE BODY      NO LESIONS RECOGNIZED  
 UTERUS      INVOLUTION SITES

15  
 << N e c r o p s y      M e m o s      >>  
 Tissue      Necropsy memos  
 No necropsy memos recorded on animal

<< P a t h o l o g y      O b s e r v a t i o n s      >>  
 Tissue      Histopathologic diagnoses / Special histological comments  
 All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAY/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00930 Sex: Female  
Day of death: 189 Status: NORMAL, EUTHANIZED Group: 3 Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.39

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

Tissue Finding, severity

LUNGS RED FOCI, Mild

UTERUS INVOLUTION SITES

15

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< P a t h o l o g y O b s e r v a t i o n s >>

Tissue Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/Sprague-Dawley

Animal: 87D00944      Sex: Female  
 Day of death: 175      Status: NORMAL, EUTHANIZED      Group: 3      Dose level: 4.0 PPT/day  
 Study Start Date: 21-Jul-87      Terminal body weight (kms): 0.27      TERATOLOGY/

-----

Tissue      Finding, severity      << Gross observations >>      Gross Free-Text Comments

-----

WHOLE BODY      NO LESIONS RECOGNIZED

-----

UTERUS      INVOLUTION SITES      15

-----

Tissue      Necropsy memos      << Necropsy Memos >>

-----

No necropsy memos recorded on animal

-----

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>

-----

All protocol required tissues normal.

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## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Animal: 87000966	Sex: female	Group: 3	Dose level: 4.0 PPT/day	TERATOLOGY/
Day of death: 172	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.40	
Tissue	Finding, severity	<< Gross Observations >>		
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments		
UTERUS	INVOLUTION SITES			
		15		
		<< Necropsy Memos >>		
Tissue	Necropsy memos			
No necropsy memos recorded on animal				
Tissue	<< Pathology Observations >>			
All protocol required tissues normal.	Histopathologic diagnoses / Special histological comments			

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00968      Sex: Female      Group: 3      Dose level: 4.0 PPT/day  
Day of death: 189      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.36

Tissue      Finding, severity      << Gross observations >>  
Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES      18

<< Necropsy Memos >>

Tissue      Necropsy memos

No necropsy memos recorded on animal

Tissue      << Pathology Observations >>

Mistopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAI/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000974 Sex: Female Group: 3 Dose level: 4.0 PPT/day  
Day of death: 154 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.36

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

UTERUS SPERM POSITIVE 27 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
All protocol required tissues normal.

# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

Animal: 87000414

Sex: Female

Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day

Terminal body weight (kms): 0.34

TERATOLOGY/

Day of death: 136

<< G r o s s    O b s e r v a t i o n s    >>  
Gross Free-text Comments

Tissue      Finding, severity

WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES

17

<< N e c r o p s y    M e m o s    >>

Tissue      Necropsy memos

No necropsy memos recorded on animal

<< P a t h o l o g y    O b s e r v a t i o n s    >>  
Histopathologic diagnoses / Special histological comments

Tissue

UTERUS      PIGMENT IN MACROPHAGES, Moderate, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Animal: 87000416	Sex: Female	Group: 4	Dose level: 12.7 PPT/day	TERATOLOGY/
Day of death: 101	Status: NORMAL, EUTHANIZED	Terminal body weight (kms): 0.31		
Tissue	Finding, severity	Gross observations >>		
UTERUS	WHITE SPOTS	Gross Free-Text Comments		
		3 OR 4		
Tissue	Necropsy memos	<< Necropsy Memos >>		
UTERUS	SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.			
Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>		
OVARIES	Required protocol tissue is missing. /ONLY OVIDUCT IN BLOCK, RECUT TWICE, TISSUE EXHAUSTED			
VAGINA	Miscellaneous. INFLAMMATION, LYMPHOCTIC, Slight, Multifocal.			

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00418 Sex: Female  
Day of death: 95 Status: NORMAL, EUTHANIZED Group: 4 Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.27

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED  
<< Gross Observations >>  
Gross Free-Text Comments

Tissue Necropsy memos  
No necropsy memos recorded on animal  
<< Necropsy Memos >>

Tissue Histopathologic diagnoses / Special histological comments  
VAGINA Required protocol tissue is missing.  
<< Pathology Observations >>



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000419 Sex: Female  
Day of death: 101 Status: NORMAL, EUTHANIZED

Group: 4

Terminal body weight (kms): 12.7 PPT/day  
Dose level: 0.28

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

UTERUS SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

VAGINA Required protocol tissue is missing.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAY/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000423 Sex: Female Status: NORMAL, EUTHANIZED Group: 4 Dose level: 12.7 PPT/day  
Day of death: 100 Terminal body weight (kms): 0.26

Tissue Finding, severity << Gross Observations >> Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

UTERUS SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
OVARIES HYPERPLASIA, INTERSTITIAL CELL, Moderate, Multifocal.  
DECREASED CORPORA LUTEA, Present.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00426 Sex: Female  
Day of death: 122 Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.26

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED  
UTERUS INVOLUTION SITES

7

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
PITUITARY GLAND /ONLY PARS DISTALIS PRESENT RECUR DOMA

VAGINA Required protocol tissue is missing.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000429 Sex: Female  
Day of death: 122 Status: NORMAL, EUTHANIZED Group: 4 Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.30

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 14

<< Necropsy Memos >>  
Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>  
Tissue Histopathologic diagnoses / Special histological comments  
OVARIES MINERALIZATION, Slight, Focal.

UTERUS PIGMENT IN MACROPHAGES, Moderate, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF REC SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000434

Sex: Female

Group: 4

Dose level: 12.7 PPT/day

Day of death: 122

Status: NORMAL, EUTHANIZED

Terminal body weight (kms): 0.30

Tissue Finding, severity

<< Gross Observations >>

WHOLE BODY NO LESIONS RECOGNIZED

Gross Free-Text Comments

UTERUS INVOLUTION SITES

11

Tissue Necropsy memos

<< Necropsy Memos >>

No necropsy memos recorded on animal

Tissue

<< Pathology Observations >>

UTERUS

Histopathologic diagnoses / Special histological comments

PIGMENT IN MACROPHAGES, Mild, Focal.

VAGINA

Required protocol tissue is missing.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/Sprague-Dawley

Animal: 87D00439      Sex: Female  
 Day of death: 101      Status: NORMAL, EUTHANIZED

Study Start Date: 21-Jul-87      Group: 4      Dose level: 12.7 PPT/day  
 Study Number: 87012F      Terminal body weight (kms): 0.33

TERATOLOGY/

<< Gross Observations >>

Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS FETUS IN UTERUS 1 1.5CM

<< Necropsy Memos >>

Tissue Necropsy memos

UTERUS SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

UTERUS INFLAMMATION, LYMPHOCYTIC, slight, Focal.

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## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Spregue-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000450 Sex: Female Group: 4 Dose level: 12.7 PPT/day  
Day of death: '82 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.29

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY EMACIATION, Trace

UTERUS INVOLUTION SITES 15

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

UTERUS PIGMENT IN MACROPHAGES, Moderate, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Animal: 87D00457      Sex: Female      Study Start Date: 21-Jul-87      TERATOLOGY/  
Day of death: 101      Status: NORMAL, EUTHANIZED      Group: 4      Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.28

Tissue      Finding, severity      << Gross Observations >>  
UTERUS      WHITE SPOTS      1

Tissue      Necropsy memos      << Necropsy Memos >>

WHOLE BODY      THIS ANIMAL NUMBER SHOULD READ 87D00451. ALL INFORMATION IS FROM 87D00451. THERE IS NO ANIMAL 87D00457. THIS IS DUE TO TYPING ERROR.

UTERUS      SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue      << Pathology Observations >>

VAGINA      Histopathologic diagnoses / Special histological comments

Required protocol tissue is missing.

VULVA      Miscellaneous.  
INFLAMMATION, LYMPHOCYTIC, Mild, Focal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000458      Sex: Female      Group: 4      Dose level: 12.7 PPT/day  
Day of death: 102      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.31  
Tissue      Finding, severity      << Gross Observations >>      Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue      Necropsy memos  
UTERUS      SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue      << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/Sprague-Dawley

Individual Animal Data Dump Table  
 Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000467 Sex: Female Status: NORMAL, EUTHANIZED Group: 4 Dose level: 12.7 PPT/day  
 Day of death: 128 Terminal body weight (kms): 0.27

Tissue Finding, severity << Gross Observations >>  
 Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

14

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
 Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

**Appendix O (Cont.): PATHOLOGY**

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAI/Sprague-Dawley

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**Individual Animal Data Dump Table**  
**Study Number: 87012F**

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00477	Sex: Female	Group: 4	Dose level: 12.7 ppt/day
Day of death: 128	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.26

Tissue	Finding, severity	<< Gross	Observations >>	Gross Free-Text Comments
--------	-------------------	----------	-----------------	--------------------------

**WHOLE BODY**

**NO LESIONS RECOGNIZED**

UTERUS  
INVOLUTION SITES  
13

# << Necropsy Memos >>

No necropsy memos recorded on animal

Histopathologic diagnoses / Special histological comments

**UTERUS\***  
**PIGMENT IN MACROPHAGES, Mild, Multifocal.**

VAGINA  
 Miscellaneous.  
 INFLAMMATION, LYMPHOCYTIC, slight, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
 Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00481 Sex: Female  
 Day of death: 106 Status: NORMAL, EUTHANIZED Group: 4 Dose level: 12.7 PPT/day  
 Terminal body weight (kms): 0.36

Tissue Finding, severity  
 UTERUS WHITE SPOTS  
 << Gross Observations >>  
 Gross Free-Text Comments  
 1

Tissue Necropsy memos  
 UTERUS SPERM POSITIVE 26 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.  
 << Necropsy Memos >>

Tissue Histopathologic diagnoses / Special histological comments  
 VAGINA. Required protocol tissue is missing.  
 << Pathology Observations >>

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000482      Sex: Female      Group: 4      Dose level: 12.7 PPT/day  
Day of death: 106      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.32  
Tissue      Finding, severity      << G r o s s      O b s e r v a t i o n s      >>  
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments

<< N e c r o p s y      M e m o s      >>

Tissue      Necropsy memos  
UTERUS      SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue      << P a t h o l o g y      O b s e r v a t i o n s      >>  
PITUITARY GLAND      Histopathologic diagnoses / Special histological comments  
OVARIES      Required protocol tissue is missing.  
CYST(S), Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00485 Sex: Female Group: 4 Dose level: 12.7 ppt/day  
Day of death: 107 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.32  
Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments  
WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>  
UTERUS SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
UTERUS. DILATED LUNEN, Mild, Diffuse.

VAGINA Miscellaneous.  
INFLAMMATION, LYMPHOCTIC, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000497 Sex: Female  
Day of death: 106 Status: NORMAL, EUTHANIZED Group: 4 Terminal body weight (kms): 12.7 PPT/day  
Dose level: 0.31

Tissue Finding, severity  
Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos  
UTERUS SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000500 Sex: Female  
Day of death: 128 Status: NORMAL, EUTHANIZED

Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.26

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

11

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

Tissue

UTERUS PIGMENT IN MACROPHAGES, Mild, Focal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00503 Sex: Female  
Day of death: 142 Status: NORMAL, EUTHANIZED Group: 4 Terminal body weight (kms): 0.28 Dose level: 12.7 PPT/day

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED  
UTERUS INVOLUTION SITES 14

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
UTERUS PIGMENT IN MACROPHAGES, Moderate, Multifocal.

VAGINA Miscellaneous.  
INFLAMMATION, SUBACUTE, Mild, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00504      Sex: Female      Group: 4      Dose level: 12.7 PPT/day  
Day of death: 130      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.27

Tissue      Finding, severity      << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES

14

<< Necropsy Memos >>

Tissue      Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue      Histopathologic diagnoses / Special histological comments  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

Animal: 87000505	Sex: Female	Group: 4	Dose level: 12.7 PPT/day	TERATOLOGY/
Day of death: 128	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.31	
		<< Gross observations >>		
Tissue	Finding, severity	Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED			

## UTERUS INVOLUTION SITES

13

Tissue	Necropsy memos	<< Necropsy Memos >>
No necropsy memos recorded on animal		

Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>
UTERUS	PIGMENT IN MACROPHAGES, Slight, Focal.	

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/Sprague-Dawley

Animal: 87000506      Sex: Female  
 Day of death: 130      Status: NORMAL, EUTHANIZED

Study Start Date: 21-Jul-87      Group: 4      Dose level: 12.7 ppt/day  
 PRINTED: 16-Apr-90      Page: 195      TERATOLOGY/  
 Study Number: 87012F      Terminal body weight (kms): 0.32

<< G r o s s      O b s e r v a t i o n s      >>  
 Gross Free-Text Comments

Tissue      Finding, severity  
 WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES

12

<< N e c r o p s y      M e m o s      >>

Tissue      Necropsy memos  
 No necropsy memos recorded on animal

<< P a t h o l o g y      O b s e r v a t i o n s      >>  
 Histopathologic diagnoses / Special histological comments

PITUITARY GLAND      /ONLY PARS DISTALIS PRESENT RECUT DONE

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

**Individual Animal Data Dump Table**  
**Study Number: 87012F**

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RAT/Sprague-Dawley		Study Start Date: 21-Jul-87		TERATOLOGY/	
Animal: 87D00510	Sex: Female	Group: 4	Dose level:	12.7 ppt/day	
Day of death: 130	Status: NORMAL, EUTHANIZED		Terminal body weight (kms):	0.34	
Tissue	Finding, severity	<< Gross	Observations >>	Gross Free-Text Comments	

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

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Animal: 87000513	Sex: Female	Group: 4	Dose level: 12.7 PPT/day	TERATOLOGY/
Day of death: 130	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.29	
		<< G r o s s    O b s e r v a t i o n s    >>		
		Gross Free-text Comments		
		14		

Tissue      Finding, severity  
UTERUS      INVOLUTION SITES

WHOLE BODY      NO LESIONS RECOGNIZED

Tissue      Necropsy memos      <<   N e c r o p s y    M e m o s    >>

No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      <<   P a t h o l o g y    O b s e r v a t i o n s    >>  
UTERUS      PIGMENT IN MACROPHAGES, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/Sprague-Dawley

Individual Animal Data Dump Table  
 Study Number: 87012F

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Animal: 87D00514	Sex: Female	Group: 4	Dose level: 12.7 PPT/day	TERATOLOGY/
Day of death: 115	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.29	
Study Start Date: 21-Jul-87				
Tissue	Finding, severity	<< Gross Observations >>		
UTERUS	WHITE SPOTS	Gross Free-Text Comments		
		1		
Tissue	Necropsy memos	<< Necropsy Memos >>		
UTERUS	SPERM POSITIVE 24 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.			
Tissue		<< Pathology Observations >>		
OVARIES	HISTOPATHOLOGIC DIAGNOSES / SPECIAL HISTOLOGICAL COMMENTS			
	HYPERPLASIA, INTERSTITIAL CELL, MILD, MULTIFOCAL.			

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00517 Sex: Female  
Day of death: 133 Status: NORMAL, EUTHANIZED

Group: 4

Terminal body weight (kms): 12.7 PPT/day  
Dose level: 0.29

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

12

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

UTERUS PIGMENT IN MACROPHAGES, Mild, Focal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00521      Sex: Female      Group: 4      Dose level: 12.7 PPT/day  
Day of death: 115      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.32  
-----  
Tissue      Finding, severity      << Gross observations >>  
-----  
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments  
-----

UTERUS      FETUS IN UTERUS

2

Tissue      Necropsy memos

<< Necropsy Memos >>

UTERUS      SPERM POSITIVE 28 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue.

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

PITUITARY GLAND

/ONLY PARTES DISTALIS AND INTERMEDIA PRESENT RECUT DONE

UTERUS

DILATED LUMEN, Severe, Multifocal.

FETUS

Autolytic, Readable, Miscellaneous.  
AUTOLYSIS, ASSOCIATED WITH ENDOMETRIAL INFLAMMATION, Present.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAI/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

Animal: 87000528 Sex: Female Group: 4 Dose level: 12.7 ppt/day  
Day of death: 133 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.30  
TERATOLOGY/

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 11

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

UTERUS PIGMENT IN MACROPHAGES, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000530  
Day of death: 115

Sex: Female  
Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.26

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

UTERUS SPERM POSITIVE 28 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

PITUITARY GLAND /ONLY PARS DISTALIS PRESENT RECUT DONE

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00532 Sex: Female  
Day of death: 115 Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.35

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

UTERUS SPERM POSITIVE 27 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue Histopathologic diagnoses / special histological comments << Pathology Observations >>

PITUITARY GLAND CYST(S), Moderate, Focal.

OVARIES CYST(S), Mild, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Animal: 87D00538	Sex: Female	Group: 4	Dose level: 12.7 PPT/day	TERATOLOGY/
Day of death: 133	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.30	
	<< G r o s s	O b s e r v a t i o n s >>		
Tissue	Finding, severity	Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED			
UTERUS	INVOLUTION SITES	13		
		<< N e c r o p s y M e m o s >>		
Tissue	Necropsy memos			
	No necropsy memos recorded on animal			
		<< P a t h o l o g y O b s e r v a t i o n s >>		
Tissue	Histopathologic diagnoses / Special histological comments			
PITUITARY GLAND	/ONLY PARS DISTALIS PRESENT RECUT DONE			
UTERUS	PIGMENT IN MACROPHAGES, Mild, Multifocal.			

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00539  
Day of death: 133

Sex: Female  
Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.29

<< G r o s s    O b s e r v a t i o n s    >>  
Gross Free-Text Comments

Tissue      Finding, severity  
-----  
WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES      10

<<   N e c r o p s y    M e m o s    >>

Tissue      Necropsy memos  
-----  
No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments  
-----  
UTERUS      PIGMENT IN MACROPHAGES, Mild, Multifocal.

<<   P a t h o l o g y    O b s e r v a t i o n s    >>

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Animal: 87000540	Sex: Female	Group: 4	Dose level: 12.7 PPT/day	TERATOLOGY/
Day of death: 149	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.31	
		Study Start Date: 21-Jul-87		
-----				
Tissue	Finding, severity	<< G r o s s    O b s e r v a t i o n s    >>		
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments		
-----				
UTERUS	INVOLUTION SITES	15		
-----				
Tissue	Necropsy memos	<< N e c r o p s y    M e m o s    >>		
-----				
No necropsy memos recorded on animal				
-----				
Tissue	Histopathologic diagnoses / Special histological comments	<< P a t h o l o g y    O b s e r v a t i o n s    >>		
UTERUS	PIGMENT IN MACROPHAGES, Moderate, Multifocal.	-----		

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000816 Sex: Female  
Day of death: 165 Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.30

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

14

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

VAGINA INFLAMMATION, LYMPHOCYTIC, Moderate, Diffuse.  
HEMORRHAGE, Mild, Focal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Animal: 87000820	Sex: Female	Group: 4	Dose level: 12.7 PPT/day	TERATOLOGY/
Day of death: 175	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.29	
Tissue	Finding, severity			
WHOLE BODY	NO LESIONS RECOGNIZED			
UTERUS	INVOLUTION SITES			
Tissue	Necropsy memos			
	No necropsy memos recorded on animal			
Tissue	Micropathologic diagnoses / Special histological comments			
UTERUS	INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.			
VAGINA	INFLAMMATION, LYMPHOCYTIC, Slight, Focal.			

<< Necropsy Memos >>

<< Pathology Observations >>

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 8700824 Sex: Female  
Day of death: 170 Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.33

<< Gross Observations >>  
Gross Free-Text Comments

Tissue finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES

14

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

Tissue

All protocol required tissues normal.

**Individual Animal Data Dump Table**  
**Study Number: 87012F**

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**Study Start Date: 21-Jul-87**

Animal: 87D00834	Sex: Female	Group: 4	Dose level: 12.7 PPT/day
Day of death: 165	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): -----

Tissue	Finding, severity	<< Gross	Observations >>	Gross Free-Text Comments
--------	-------------------	----------	-----------------	--------------------------

WHOLE BODY	NO LESIONS RECOGNIZED
	

**UTERUS**

**INVOLUTION SITES**

**14**

<< Necropsy      Memos      >>

Tissue	Necropsy memos
	No necropsy memos recorded on animal

Tissue	<< Pathology Observations >>
UTERUS	Histopathologic diagnoses / Special histological comments PIGMENT IN MACROPHAGES, Mild, Focal.

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## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00852 Sex: Female

Group: 4

Status: NORMAL, EUTHANIZED

Dose level: 12.7 PPY/day

0.32

Terminal body weight (kms):

<< G r o s s O b s e r v a t i o n s >>  
Gross free-Text Comments

Finding, severity

NO LESIONS RECOGNIZED

INVOLUTION SITES

15

<< N e c r o p s y M e m o s >>

Necropsy memos

No necropsy memos recorded on animal

<< P a t h o l o g y O b s e r v a t i o n s >>  
Histopathologic diagnoses / Special histological comments

PIGMENT IN MACROPHAGES, Mild, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00856  
Day of death: 168

Sex: Female  
Status: NORMAL, EUTHANIZED

Group: 4

Terminal body weight (kms): 12.7 PPT/dsy  
Dose level: 0.32

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

UTERUS INVOLUTION SITES

12

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< N e c r o p s y M e m o s >>

Tissue Histopathologic diagnoses / Special histological comments  
UTERUS PIGMENT IN MACROPHAGES, Mild, Multifocal.

<< P a t h o l o g y O b s e r v a t i o n s >>

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000868      Sex: Female      Group: 4      Dose level: 12.7 PPT/day  
Day of death: 170      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.32

Tissue      Finding, severity      << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES

Tissue      Necropsy memos      << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>

VAGINA      INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

Animal: 87D00874	Sex: Female	Group: 4	TERATOLOGY/
Day of death: 182	Status: NORMAL, EUTHANIZED		
		Dose level: 12.7 PPT/day	
		Terminal body weight (kms): 0.33	
Tissue	Finding, severity		
WHOLE BODY	NO LESIONS RECOGNIZED		
UTERUS	INVOLUTION SITES		

15

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
UTERUS PIGMENT IN MACROPHAGES, Mild, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

Animal: 87D00884      Sex: Female      Group: 4      Dose level: 12.7 PPT/day  
Day of death: 169      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.31  
TERATOLOGY/

Tissue      Finding, severity      << Gross observations >>  
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments

UTERUS      INVOLUTION SITES

15

<< Necropsy Memos >>

Tissue      Necropsy memos

No necropsy memos recorded on animal

Tissue      << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000894	Sex: Female	Group: 4	Dose level: 12.7 PPT/day
Day of death: 176	Status: NORMAL, EUTHANIZED	Terminal body weight (kms):	0.33
Tissue	Findings, severity	<< Gross Observations >>	
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments	
UTERUS	INVOLUTION SITES	11	
Tissue	Necropsy memos	<< Necropsy Memos >>	
No necropsy memos recorded on animal			
Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>	
VAGINA	HEMORRHAGE, Moderate, Focal.		

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000896 Sex: Female  
Day of death: 149 Status: NORMAL, EUTHANIZED

Group: 4

Terminal body weight (kms): 12.7 PPT/day  
Dose level: 0.32

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 15

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

UTERUS PIGMENT IN MACROPHAGES, Mild, Multifocal.  
HEMORRHAGE/HEMATOMA, Moderate, Focal.

VAGINA HEMORRHAGE, Mild, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

Animal: 87000898	Sex: Female	Group: 4	Dose level: 12.7 PPT/day	TERATOLOGY/
Day of death: 169	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.31	
Tissue	Findings, severity	Gross	Observations >>	
WHOLE BODY	NO LESIONS RECOGNIZED		Gross Free-Text Comments	
UTERUS	INVOLUTION SITES			

13

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments >>  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000912 Sex: Female Group: 4 Dose level: 12.7 PPT/day  
Day of death: 149 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.36

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

2

UTERUS WHITE SPOTS

<< Necropsy Memos >>

Tissue Necropsy memos

UTERUS SPERM POSITIVE 25 DAYS BEFORE SACRIFICE. NO LITTER DELIVERED.

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments  
UTERUS INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

Animal: 87D00924      Sex: Female      Group: 4      Dose level: 12.7 PPT/day  
Day of death: 162      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.35  
TERATOLOGY/

Tissue      Finding, severity      << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

UTERUS      INVOLUTION SITES      1

Tissue      Necropsy memos      << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>

UTERUS      PIGMENT IN MACROPHAGES, Moderate, Focal.  
INFLAMMATION, LYMPHOCYTIC, Moderate, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012F

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Animal: 87D00932 Sex: Female  
Day of death: 154 Status: NORMAL, EUTHANIZED  
Study Start Date: 21-Jul-87 Group: 4  
Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.36  
TERATOLOGY/

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 12

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments  
INFLAMMATION, LYMPHOCTIC, Slight, Multifocal.  
HEMORRHAGE/HEMATOMA, Mild, Focal.

UTERUS

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012f

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 8700934      Sex: Female      Group: 4      Dose level: 12.7 PPT/day  
Day of death: 185      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.36  
-----  
Tissue      Finding, severity      << Gross Observations >>  
-----  
LUNGS      WHITE FOCI, Mild      Gross Free-Text Comments

18

UTERUS      INVOLUTION SITES

<< Necropsy Memos >>

Tissue      Necropsy memos  
-----  
No necropsy memos recorded on animal

Tissue      << Pathology Observations >>  
-----  
OVARIES      Histopathologic diagnoses / Special histological comments  
CYST(S), Mild, Focal.

UTERUS      PIGMENT IN MACROPHAGES, Moderate, Focal.  
LUNG      Miscellaneous.  
ALVEOLAR HISTIOCYTOSIS, Mild, Multifocal.  
HEMORRHAGE, Mild, Focal.  
INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Diffuse.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000954  
Sex: Female  
Status: Normal,  
Day of death: 155

Dose level:	12.7 ppt/day
Terminal body weight (kms):	0.35

<<	Gross	Observations	>>
			Gross Free-Text Comments

Tissue	Finding, severity
UTERUS	FETUS IN UTERUS

**WHOLE BODY**      **NO LESIONS RECOGNIZED**

# Necropsy Memos

Tissue	Necropsy memos
UTERUS	SPERM POSITIVE

```

Yttrium
      << Pathology Observations >>
Histopathologic diagnoses / Special histological comments

```

UTERUS  
DILATED LUMEN, Moderate, Multifocal.  
INFLAMMATION, SUPPURATIVE, Moderate, Focal.  
/THE FETUS WAS NOT OBSERVED HISTOLOGICALLY

**VAGINA**  
**INFLAMMATION, ACUTE, SEROSA, SLIGHT, FOCAL.**



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00962 Sex: Female  
Day of death: 170 Status: NORMAL, EUTHANIZED Group: 4 Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.33

Tissue Finding, severity  
Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

UTERUS INVOLUTION SITES 15

Tissue Necropsy memos  
No necropsy memos recorded on animal  
<< Necropsy Memos >>

Tissue Histopathologic diagnoses / Special histological comments  
UTERUS PIGMENT IN MACROPHAGES, Mild, Focal.  
<< Pathology Observations >>

## Appendix O (Cont.): PATHOLOGY

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RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012F

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00976 Sex: female  
Day of death: 175 Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.33

<< Gross Observations >>  
Gross Free-Text Comments

Finding, severity

NO LESIONS RECOGNIZED

Tissue  
WHOLE BODY

UTERUS INVOLUTION SITES

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<< Necropsy Memos >>

Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

Tissue  
UTERUS

PIGMENT IN MACROPHAGES, Moderate, Multifocal.

## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012H

PRINTED: 13-Feb-90  
Page: 1

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000312 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Terminal body weight (kms): 0.48  
Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments  
WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

PRINTED: 13-Feb-90  
Page: 2Individual Animal Data Dump Table  
Study Number: 87012MLETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/

```

-----
Animal: 87D00318      Sex: Male
Day of death: 99      Status: NORMAL, EUTHANIZED
-----
Study Start Date: 21-Jul-87
-----
Group: 1
-----
Dose level: Control
Terminal body weight (kms): 0.48
-----
TERATOLOGY/
-----
<< Gross Observations >>
Gross Free-Text Comments
-----
Finding, severity
NO LESIONS RECOGNIZED
-----
Tissue
WHOLE BODY
-----
<< Necropsy Memos >>
-----
Necropsy memos
No necropsy memos recorded on animal
-----
Tissue
<< Pathology Observations >>
Histopathologic diagnoses / Special histological comments
-----
PITUITARY GLAND
Required protocol tissue is missing.
-----
EPIDIDYHUS
INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

```

## Appendix O (Cont.): PATHOLOGY

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RAT/

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000324	Sex: Male	Group: 1	Dose level: Control
Day of death: 93	Status: NORMAL, EUTHANIZED	Terminal body weight (kms):	0.50
-----			
Tissue	Finding, severity	<< Gross Observations >>	
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments	
-----			
Tissue	Necropsy memos	<< Necropsy Memos >>	
PITUITARY GLAND	NOT SAVED	"	
-----			
Tissue	<< Pathology Observations >>		
PITUITARY GLAND	Histopathologic diagnoses / Special histological comments		
PROSTATE	Required protocol tissue is missing.		
	INFLAMMATION, LYMPHOCYTIC, Slight, Focal.		

## Appendix O (Cont.): PATHOLOGY

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RA7/

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

Animal: 87000328

**Sex: Male**

death: 93

Status: NORMAL, EUTHANIZED

**Group: 1**

Dose level: Control	0.50
Terminal body weight (kms):	

### Finding, severity

**NO LESIONS RECOGNIZED**

```
<< Gross Observations >>
      Gross Free-Text Comments
```

## Necropsy memos

**recorded on animal**

# Neurology

# << Pathology Observations >>

**INFLAMMATION, LYMPHOCYTIC, MILD, MULTIFOCAL.**

## Appendix O (Cont.): PATHOLOGY

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RAT/

**Individual Animal Data Dump Table**  
**Study Number: 87012M**

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Study Start Date: 21-Jul-87

**TERATOLOGY/**

Animal: 87000330	Sex: Male	Group: 1	Dose level: Control
Day of death: 93	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.57

Tissue	Finding, severity	<< Gross	Observations >>	Gross Free-Text Comments

	<< Necropsy	Memos >>
Tissue	Necropsy memos	
No necropsy memos recorded on animal	"	

Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>
PROSTATE	INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.	
.	INFLAMMATION, PURULENT, Mild, Multifocal.	

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00336 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.52

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

PITUITARY GLAND INFLAMMATION, LYMPHOCYTIC, slight, Focal.

TESTIS DEGENERATION, SEMINIFEROUS TUBULES, slight, Multifocal.

EPIDIDYMUS INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.



## Appendix O (Cont.): PATHOLOGY

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RAT/

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000339 Sex: Male  
Day of death: 93 Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Terminal body weight (kms): 0.45  
Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments  
WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
EPIDIDYMUS INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

PROSTATE INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

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 RAT/

Animal: 87D00347      Sex: Male  
 Day of death: 93      Status: NORMAL, EUTHANIZED      Group: 1      Dose level: Control  
 Study Number: 87012M      Study Start Date: 21-Jul-87      Terminal body weight (kms): 0.52  
 TERATOLOGY/

<< G r o s s    O b s e r v a t i o n s    >>  
 Gross Free-Text Comments

Finding, severity  
 NO LESIONS RECOGNIZED

<< N e c r o p s y    M e m o s    >>

Necropsy memos  
 No necropsy memos recorded on animal

<< P a t h o l o g y    O b s e r v a t i o n s    >>  
 Histopathologic diagnoses / Special histological comments

PROSTATE      INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

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## Appendix O (Cont.). PATHOLOGY

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RAT/

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00349

Sex: Male

Group: 1

Status: NORMAL, EUTHANIZED

Day of death: 93

Dose level: Control  
Terminal body weight (kms): 0.51

Tissue Finding, severity

<< Gross Observations >>

Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos

<< Necropsy Memos >>

No necropsy memos recorded on animal

Tissue

<< Pathology Observations >>

Histopathologic diagnoses / Special histological comments

PITUITARY GLAND

/ONLY PARS DISTALIS AND INTERMEDIA PRESENT RECUT DONE

TESTIS

DEGENERATION, SEMINIFEROUS TUBULES, slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00353

Sex: Male

Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.53

Day of death: 99

<< Gross Observations >>  
Gross Free-Text Comments

Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

Tissue

EPIDIDYMUS INFLAMMATION, LYMPHOCTIC, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000354 Sex: Male Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Day of death: 99 Terminal body weight (kms): 0.54

Tissue Finding, severity << Gross Observations >> Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
EPIDIDYMUS Histopathologic diagnoses / Special histological comments  
INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.  
PROSTATE INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

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 RAT/

Animal: 8700356      Sex: Male  
 Day of death: 99      Status: NORMAL, EUTHANIZED      Group: 1  
 Study Start Date: 21-Jul-87      Study Number: 87012M      Dose level: Control  
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Terminal body weight (kms): 0.50

Gross Observations >>  
 Gross Free-Text Comments

Tissue Finding, severity  
 WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos  
 No necropsy memos recorded on animal

<< Pathology Observations >>  
 Histopathologic diagnoses / Special histological comments

TESTIS DEGENERATION, SEMINIFEROUS TUBULES, Slight, Multifocal.

EPIDIDYMIUS INFLAMMATION, LYMPHOCYTIC, Slight, Focal.  
 INFLAMMATION, GRANULOMATOUS, Mild, Multifocal.

PROSTATE MINERALIZATION, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

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RAT/

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

Animal: 87000358	Sex: Male	Group: 1	Dose level: Control	TERATOLOGY/
Day of death: 93	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.46	
Tissue	Finding, severity	<< G r o s s    O b s e r v a t i o n s    >>		
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments		
Tissue	Necropsy memos	<< N e c r o p s y    M e m o s    >>		
No necropsy memos recorded on animal				
Tissue	Histopathologic diagnoses / Special histological comments	<< P a t h o l o g y    O b s e r v a t i o n s    >>		
PITUITARY GLAND	/PARS DISTALIS AND PARS INTERMEDIA ONLY RECUOT DONE			

## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000364 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.47

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
PROSTATE INFLAMMATION, LYMPHOCYTIC, slight, focal.



## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012M

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Animal: 8700368	Sex: Male	Group: 1	Dose level: Control	TERATOLOGY/
Day of death: 93	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.54	
Tissue	Finding, severity	<< Gross Observations >>		
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments		
Tissue	Necropsy memos	<< Necropsy Memos >>		
No necropsy memos recorded on animal				
Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>		
TESTIS	INFLAMMATION, LYMPHOCYTIC, TUNICA ALBUGINEA, slight, focal. DEGENERATION, SEMINIFEROUS TUBULES, slight, Multifocal.			
PROSTATE	INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.			

## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012H

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000371 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Terminal body weight (kms): 0.57  
Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments  
WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
TESTIS Required protocol tissue is missing.

PROSTATE INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.  
INFLAMMATION, PURULENT, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

Animal: 87D00373      Sex: Male      Group: 1      Dose level: Control  
Day of death: 106      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.49  
Tissue      Finding, severity      << Gross observations >>      TERATOLOGY/  
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments

Tissue      Necropsy memos      << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / special histological comments      << Pathology Observations >>  
PITUITARY GLAND      Required protocol tissue is missing.

PROSTATE      INFLAMMATION, LYMPHOCYTIC, slight, focal.

## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000377 Sex: Male Group: 1 Dose level: Control  
Day of death: 106 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.59  
Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

TESTIS DEGENERATION, SEMINIFEROUS TUBULES, Slight, Multifocal.

EPIDIDYMS INFLAMMATION, LYMPHOCTIC, Slight, Multifocal.

PROSTATE NECROSIS, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

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RAT/

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Individual Animal Data Dump Table  
Study Number: 87012H

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00379 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED Group: 1  
Dose level: Control  
Terminal body weight (kms): 0.48  
Tissue Finding, severity << Gross Observations >>  
WHOLE BODY NO LESIONS RECOGNIZED Gross Free-Text Comments

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
EPIDIDYMUS Histopathologic diagnoses / Special histological comments  
INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00392 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.52

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< Gross Observations >>  
Gross Free-Text Comments

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
PITUITARY GLAND / PARS DISTALIS ONLY RECUT DONE

<< Pathology Observations >>

TESTIS DEGENERATION, SEMINIFEROUS TUBULES, Slight, Multifocal.

EPIDIDYMUS INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

PROSTATE INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00394 Sex: Male  
Day of death: 106 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.60

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
PITUITARY GLAND Required protocol tissue is missing.

## Appendix O (Cont.): PATHOLOGY

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RAT/

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00395 Sex: Male Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Day of death: 106 Terminal body weight (kms): 0.52

Tissue Finding, severity << Gross Observations >> Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

PITUITARY GLAND Required protocol tissue is missing.

EPIDIDYMNUS INFLAMMATION, LYMPHOCYTIC, Slight, focal.



## Appendix O (Cont.): PATHOLOGY

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RAT/

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

Animal: 87000405	Sex: Male	Group: 1	Dose level: Control	TERATOLOGY/
Day of death: 106	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.53	
Tissue	Finding, severity	<< Gross observations >>		
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments		
Tissue	Necropsy memos	<< Necropsy Memos >>		
	No necropsy memos recorded on animal			
Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>		
PROSTATE	INFLAMMATION, LYMPHOCYTIC, slight, Multifocal. NECROSIS, slight, Focal.			

## Appendix O (Cont.): PATHOLOGY

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RAY/

**Individual Animal Data Dump Table**  
**Study Number: 87012M**

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Study Start Date: 21-Jul-87

**TERATOLOGY/**

Animal: 87D00407  
Day of death: 99  
Sex: Male  
Status: NORMAL

**Group: 1**

**Dose level: Control**  
**Terminal body weight (kms): 0.53**

<< Gross Observations >>	Gross Free-Text Comments
--------------------------	--------------------------

Tissue	Finding, severity
WHOLE BODY	NO LESIONS RECOGNIZED

# Memos

Tissue	Necropsy memos
.....	.....
No necropsy memos recorded on animal	

Tissue	<< Pathology Observations >>
Metapathologic diagnoses / Special histological comments	
TESTIS	DEGENERATION, SEMINIFEROUS TUBULES, slight, focal.

## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012H

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Animal: 87000408	Sex: Male	Group: 1	Study Start Date: 21-Jul-87	TERATOLOGY/
Day of death: 99	Status: NORMAL, EUTHANIZED			
			Dose level: Control	
			Terminal body weight (kms): 0.46	
Tissue	Finding, severity	<< Gross	Observations >>	
WHOLE BODY	NO LESIONS RECOGNIZED		Gross Free-Text Comments	
		<< Necropsy	Memos >>	
Tissue	Necropsy memos			
No necropsy memos recorded on animal				
Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology	Observations >>	
TESTIS	DEGENERATION, SEMINIFEROUS TUBULES, slight, focal.			

## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012H

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000801 Sex: Male  
Day of death: 137 Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Terminal body weight (kms): 0.51  
Tissue Finding, severity << G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments  
WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << N e c r o p s y M e m o s >>  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << P a t h o l o g y O b s e r v a t i o n s >>  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

Animal: 87000809 Sex: Male  
Day of death: 142 Status: NORMAL, EUTHANIZED Group: 1  
Dose level: Control  
Terminal body weight (kms): 0.56  
Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments  
WHOLE BODY NO LESIONS RECOGNIZED

TERATOLOGY/

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>  
Tissue Histopathologic diagnoses / Special histological comments  
EPIDIDYMUS INFLAMMATION, LYMPHOCYTIC, slight, Focal.  
PROSTATE INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

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Animal: 87000813      Sex: Male  
 Day of death: 134      Status: NORMAL, EUTHANIZED

Study Number: 87012M  
 Study Start Date: 21-Jul-87

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TERATOLOGY/

Group: 1      Dose level: Control  
 Terminal body weight (kms): 0.59

<< G r o s s    O b s e r v a t i o n s    >>

Gross Free-Text Comments

Findings, severity

NO LESIONS RECOGNIZED

Tissue      Necropsy memos

No necropsy memos recorded on animal

<< P a t h o l o g y    O b s e r v a t i o n s    >>

Histopathologic diagnoses: / Special histological comments

TESTIS      DEGENERATION, SEMINIFEROUS TUBULES, slight, focal.

PROSTATE      INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

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```

-----
Animal: 87000821      Sex: Male      Study Start Date: 21-Jul-87      TERATOLOGY/
Day of death: 141     Status: NORMAL, EUTHANIZED      Group: 1      Dose level: Control
-----
Tissue      Finding, severity      << Gross Observations >>      Terminal body weight (kms): 0.58
-----
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments
-----

Tissue      Necropsy memos      << Necropsy Memos >>
-----
No necropsy memos recorded on animal
-----

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>
-----
All protocol required tissues normal.
-----

```

## Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00829      Sex: Male      Group: 1      Dose level: Control  
Day of death: 142      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.61

Tissue      Finding, severity      << Gross Observations >>      Gross Free-text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

Tissue      Necropsy memos      << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>

EPIDIDYHUS      INFLAMMATION, LYMPHOCTIC, slight, Multifocal.



## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000831 Sex: Male Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Day of death: 135 Terminal body weight (kms): 0.59

Tissue Finding, severity << Gross Observations >> Gross Free-Text Comments  
WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
PROSTATE INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

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Dose level:	Control
Terminal body weight (kms):	0.57

```
<< Gross Observations >>
      Gross Free-Text Comments
```

<< Necropsy Hemostasis >>

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments  
-----  
INFLAMMATION, LYMPHOCYTIC, MILD, Multifocal.

TERATOLOGY/

## Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
Study Number: 87012M

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```

-----
Animal: 87000841      Sex: Male      Study Start Date: 21-Jul-87      TERATOLOGY/
Day of death: 135    Status: NORMAL, EUTHANIZED      Group: 1      Dose level: Control
-----
Tissue      Finding, severity      Terminal body weight (kms): 0.61
-----
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments
-----
Tissue      Necropsy memos      << Necropsy Memos >>
-----
No necropsy memos recorded on animal
-----
Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>
EPIDIDYMU      INFLAMMATION, LYMPHOCYTIC, slight, Focal.
PROSTATE      INFLAMMATION, LYMPHOCYTIC, mild, Multifocal.
  
```

## Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00847 Sex: Male Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Day of death: 147 Terminal body weight (kms): 0.57

Tissue Finding, severity << G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

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RAT/

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000857 Sex: Male

Group: 1

Dose level: Control

Day of death: 147 Status: NORMAL, EUTHANIZED

Terminal body weight (kms): 0.59

Tissue Finding, severity

<< Gross Observations >>

WHOLE BODY NO LESIONS RECOGNIZED

Gross Free-Text Comments

Tissue Necropsy memos

<< Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments

<< Pathology Observations >>

EPIIDYUMUS

INFLAMMATION, LYMPHOCTIC, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/

Individual Animal Data Dump Table  
Study Number: 87012H

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000861 Sex: Male  
Day of death: 147 Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Dose level: Control  
Terminal body weight (kms): 0.61  
Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments  
WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments  
EPIDIDYMS INFLAMMATION, LYMPHOCYTIC, Slight, Focal.  
PROSTATE INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

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RAT/

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00871 Sex: Male  
Day of death: 142 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.63

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

PITUITARY GLAND CYST(S), slight, Multifocal.  
/ONLY PARTES DISTALIS AND INTERMEDIA PRESENT. RECUT DONE

PROSTATE INFLAMMATION, LYMPHOCYTIC, slight, focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000875 Sex: Male Group: 1 Dose level: Control  
Day of death: 143 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.66  
Tissue Finding, severity << Gross Observations >>  
WHOLE BODY NO LESIONS RECOGNIZED Gross Free-Text Comments

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue Mistopathologic diagnoses / Special histological comments << Pathology Observations >>  
All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000877 Sex: Male

Group: 1

Dose level: Control

Day of death: 143 Status: NORMAL, EUTHANIZED

Terminal body weight (kms):

0.71

Tissue Finding, severity

Gross Observations

NO LESIONS RECOGNIZED

Gross Free-Text Comments

Tissue Necropsy memos

<< Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments

<< Pathology Observations >>

PITUITARY GLAND CYST(S), Mild, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Animal: 87000879      Sex: Male  
 Day of death: 140      Status: NORMAL, EUTHANIZED      Group: 1      Dose level: Control  
 Study Number: 87012M      Study Start Date: 21-Jul-87      Terminal body weight (kms): 0.62  
 Study Start Date: 21-Jul-87      TERATOLOGY/

Animal: 87000879      Sex: Male  
 Day of death: 140      Status: NORMAL, EUTHANIZED      Group: 1      Dose level: Control  
 Study Number: 87012M      Study Start Date: 21-Jul-87      Terminal body weight (kms): 0.62  
 Study Start Date: 21-Jul-87      TERATOLOGY/

Tissue      Finding, severity      << Gross Observations >>      Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

Tissue      Necropsy memos      << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>

EPIDIDYMUS      INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.

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## Appendix O (Cont.): PATHOLOGY

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Animal: 87000915	Sex: Male	Group: 1	Dose level: Control	TERATOLOGY/
Day of death: 148	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.64	
	<< Gross Observations >>			
Tissue	Finding, severity	Gross Free-Text Comments		
LIVER	CONGESTED, Trace	SWOLLEN LIVER W PALE STREAKS		
	<< Necropsy Memos >>			
Tissue	Necropsy memos			
No necropsy memos recorded on animal				
	<< Pathology Observations >>			
Tissue	Histopathologic diagnoses / Special histological comments			
PROSTATE	INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.			

## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00921 Sex: Male  
Day of death: 148 Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Terminal body weight (kms): 0.64  
Tissue Finding, severity Gross Observations >>  
LIVER CONGESTED, Trace Gross Free-Text Comments  
SWOLLEN LIVER W PALE STREAKS

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
PROSTATE INFLAMMATION, LYMPHOCYTIC, slight, focal.

## Appendix O (Cont.): PATHOLOGY

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RAT/

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000935

Sex: Male

Group: 1

Status: NORMAL, EUTHANIZED

Dose level: Control

Day of death: 140

Terminal body weight (kms): 0.57

Tissue Finding, severity

<< G r o s s O b s e r v a t i o n s >>

Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos

<< N e c r o p s y M e m o s >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments

<< P a t h o l o g y O b s e r v a t i o n s >>

PITUITARY GLAND CYST(S), Moderate, Focal.



## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012M

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Animal: 87D00939	Sex: Male	Group: 1	Dose level: Control
Day of death: 148	Status: NORMAL, EUTHANIZED	Terminal body weight (kms): 0.61	
Study Start Date: 21-Jul-87		TERATOLOGY/	
<< G r o s s    O b s e r v a t i o n s    >> Tissue      Finding, severity      Gross Free-Text Comments LIVER      CONGESTED, Trace      SWOLLEN LIVER W PALE STREAKS			
<< N e c r o p s y    M e m o s    >> Tissue      Necropsy memos No necropsy memos recorded on animal			
<< P a t h o l o g y    O b s e r v a t i o n s    >> Tissue      Histopathologic diagnoses / Special histological comments PROSTATE    INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.			

## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000949 Sex: Male  
Day of death: 134 Status: NORMAL, EUTHANIZED

Group: 1

Dose level: Control  
Terminal body weight (kms): 0.61

<< Gross Observations >>  
Gross Free-Text Comments

Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

Tissue

PROSTATE INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.



## Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00951      Sex: Male      Group: 1      Dose level: Control  
Day of death: 140      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.55  
Tissue      Finding, severity      << G r o s s      O b s e r v a t i o n s      >>  
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments

Tissue      Necropsy memos      << N e c r o p s y      M e m o s      >>  
No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << P a t h o l o g y      O b s e r v a t i o n s      >>  
PROSTATE      INFLAMMATION, LYMPHOCYTIC, Moderate, Multifocal.

## Appendix O (Cont.): PATHOLOGY

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RAT/

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000955 Sex: Male  
Day of death: 149 Status: NORMAL, EUTHANIZED Group: 1 Dose level: Control  
Terminal body weight (kms): 0.66  
Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments  
WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Mistopathologic diagnoses / Special histological comments  
TESTIS INFLAMMATION, LYMPHOCTIC, TUNICA ALBUGINEA, slight, focal.

## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012M

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Animal: 87D00969	Sex: Male	Group: 1	Dose level: Control	TERATOLOGY/
Day of death: 149	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.61	
		<< G r o s s   O b s e r v a t i o n s   >>		
		Gross Free-Text Comments		
Tissue	Finding, severity			
WHOLE BODY	NO LESIONS RECOGNIZED			
		<< N e c r o p s y   M e m o s   >>		
Tissue	Necropsy memos			
	No necropsy memos recorded on animal			
		<< P a t h o l o g y   O b s e r v a t i o n s   >>		
Tissue	Mistopathologic diagnoses / Special histological comments			
PITUITARY GLAND	ONLY PARTES DISTALIS AND INTERMEDIA PRESENT RECUT DONE			
TESTIS	DEGENERATION, SEMINIFEROUS TUBULES, slight, Focal.			
EPIDIDYHUS	INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.			

## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012H

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000971 Sex: Male Dose level: Control  
Day of death: 149 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.61

Tissue Finding, severity << Gross Observations >>  
Gross Free-text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments  
PROSTATE INFLAMMATION, LYMPHOCYTIC, Moderate, Multifocal.

## Appendix O (Cont.): PATHOLOGY

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RAT/

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00977 Sex: Male

Group: 1

Dose level: Control

Status: NORMAL, EUTHANIZED

Terminal body weight (kms): 0.64

Finding, severity

<< Gross Observations >>

Gross Free-Text Comments

NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Histopathologic diagnoses / Special histological comments

INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

PROSTATE

## Appendix O (Cont.): PATHOLOGY

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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000313 Sex: Male  
Day of death: 93 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.47

Tissue Finding, severity  
Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 8700314 Sex: Male  
Day of death: 93 Status: NORMAL, EUTHANIZED

Group: 2

Terminal body weight (kms): 1.3 PPT/day  
Dose level: 0.57

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

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RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00317 Sex: Male Status: NORMAL, EUTHANIZED Group: 2 Dose level: 1.3 PPT/day  
Day of death: 93 Terminal body weight (kms): 0.52

Tissue Finding, severity << Gross Observations >> Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

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RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012H

Study Start Date: 21-Jul-87

Animal: 87D00320      Sex: Male      Group: 2      Dose level: 1.3 PPT/day  
Day of death: 93      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.48

TERATOLOGY/

Tissue      Finding, severity      << G r o s s      O b s e r v a t i o n s      >>  
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments

Tissue      Necropsy memos      << N e c r o p s y      M e m o s      >>

No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << P a t h o l o g y      O b s e r v a t i o n s      >>  
PROSTATE      INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000323      Sex: Male      Group: 2      Dose level: 1.3 PPT/day  
Day of death: 93      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.48

-----<< G r o s s      O b s e r v a t i o n s      >>-----  
Tissue      Finding, severity      Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

<< N e c r o p s y      M e m o s      >>

Tissue      Necropsy memos  
-----  
No necropsy memos recorded on animal

<< P a t h o l o g y      O b s e r v a t i o n s      >>  
Tissue      Histopathologic diagnoses / Special histological comments  
-----  
PROSTATE      INFLAMMATION, PURULENT, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

Animal: 87000326 Sex: Male  
Day of death: 93 Status: NORMAL, EUTHANIZED Group: 2 Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.54  
Tissue Finding, severity << Gross Observations >> TERATOLOGY/  
WHOLE BODY NO LESIONS RECOGNIZED Gross Free-Text Comments

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

Animal: 87D00329	Sex: Male	Group: 2	Dose level: 1.3 PPT/day	TERATOLOGY/
Day of death: 99	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.46	
	<< Gross Observations >>			
Tissue	Finding, severity			
WHOLE BODY	NO LESIONS RECOGNIZED			

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments  
All protocol required tissues normal.

Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000331

Sex: Male

Group: 2

Status: NORMAL, EUTHANIZED

Dose level:

1.3 PPT/day

Day of death: 106

0.47

Terminal body weight (kms):

0.47

Tissue

Finding, severity

Gross observations

Gross Free-Text Comments

WHOLE BODY

NO LESIONS RECOGNIZED

Tissue

Necropsy memos

<< Necropsy Memos >>

No necropsy memos recorded on animal

Tissue

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

PROSTATE

INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00332 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.57

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000342 Sex: Male Group: 2 Dose level: 1.3 PPT/day  
Day of death: 99 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.47

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

PROSTATE INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

Animal: 87000346 Sex: Male Group: 2 Dose level: 1.3 PPT/day  
Day of death: 99 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.47  
TERATOLOGY/  
Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments  
WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
PROSTATE INFLAMMATION, ACUTE, Slight, Focal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000348 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.47

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< Gross Observations >>  
Gross Free-Text Comments

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012M

Animal: 87000359      Sex: Male      Study Start Date: 21-Jul-87      Dose level: 1.3 PPT/day  
Day of death: 93      Status: NORMAL, EUTHANIZED      Group: 2      Terminal body weight (kms): 0.49

TERATOLOGY/

Tissue      Finding, severity      << Gross Observations >>      Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

Tissue      Necropsy memos      << Necropsy Memos >>

NO necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000366 Sex: Male Status: NORMAL, EUTHANIZED Group: 2 Dose level: 1.3 PPT/day  
Day of death: 92 Terminal body weight (kms): 0.59

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00374 Sex: Male  
Day of death: 106 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.55

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Mistopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00375  
Day of death: 99

Sex: Male  
Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.50

<< G r o s s    O b s e r v a t i o n s    >>  
Gross Free-Text Comments

Tissue      Finding, severity

WHOLE BODY      NO LESIONS RECOGNIZED

<<   N e c r o p s y    M e m o s    >>

Tissue      Necropsy memos

No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments  
<<   P a t h o l o g y    O b s e r v a t i o n s    >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Study Start Date: 21-Jul-87

Animal: 87000376	Sex: Male	Group: 2	Dose level: 1.3 PPT/day	TERATOLOGY/
Day of death: 99	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.56	
Tissue	Finding, severity	<< Gross Observations >>		
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments		

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments  
PROSTATE INFLAMMATION, PURULENT, MILD, FOCAL.

# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00378 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED Group: 2 Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.49

Tissue Finding, severity << Gross Observations >> Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED << Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

Animal: 87D00380 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED Group: 2  
Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.46  
Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments  
WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
PROSTATE INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
 Study Number: 87012M

Study Start Date: 21-Jul-87

Animal: 87D00381 Sex: Male Group: 2 Dose level: 1.3 ppt/day  
 Day of death: 92 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.48  
 Tissue Finding, severity Gross Observations >> TERATOLOGY/  
 WHOLE BODY NO LESIONS RECOGNIZED Gross Free-Text Comments

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
 Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

Animal: 87000390	Sex: Male	Group: 2	Dose level: 1.3 PPT/day	TERATOLOGY/
Day of death: 99	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.49	
Tissue	Finding, severity	<< Gross observations >>		
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments		

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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 RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

Animal: 87000396	Sex: Male	Group: 2	TERATOLOGY/
Day of death: 99	Status: NORMAL, EUTHANIZED		
		Dose level: 1.3 PPT/day	
		Terminal body weight (kms): 0.49	
Tissue	Finding, severity		
WHOLE BODY	NO LESIONS RECOGNIZED		

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
 Histopathologic diagnoses / Special histological comments  
 All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00397 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED Group: 2 Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.54  
Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments  
WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
PROSTATE INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000406 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.57

Tissue Finding, severity

<< Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< Pathology Observations >>

PROSTATE INFLAMMATION, PURULENT, MILD, Focal.

## Appendix O (Cont.): PATHOLOGY

LEETMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

**Individual Animal Data Dump Table**  
**Study Number: 87012M**

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Study Start Date: 21-Jul-87

Animal: 87D00411  
Sex: Male  
Status: NORMAL  
Day of death: 92

**Group: 2**

Dose level:	1.3 PPT/day
Flight (kms):	0.41

TERATOLOGY/

Tissue	Finding, severity	<< Gross	Observations >>	Gross Free-Text Comments

[illegible]

# MEMOS Necropsy

## Tissue Necropsy memos

**No necropsy memos recorded on animal**

Tissue	Histopathologic diagnoses / Special histological	<< Pathology observations >>

**All protocol required tissues normal.**

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
 Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 8700807 Sex: Male  
 Day of death: 137 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 ppt/day  
 Terminal body weight (kms): 0.53

Tissue Finding, severity  
 WHOLE BODY NO LESIONS RECOGNIZED

<< G r o s s O b s e r v a t i o n s >>  
 Gross Free-Text Comments

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos  
 No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
 << P a t h o l o g y O b s e r v a t i o n s >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

Animal: 87D00827 Sex: Male  
Day of death: 143 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.73

TERATOLOGY/

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

PROSTATE INFLAMMATION, LYMPHOCYTIC, MILD, Multifocal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Study Start Date: 21-Jul-87

Animal: 87000863      Sex: Male      Group: 2      Dose level: 1.3 PPT/day  
Day of death: 143      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.62

TERATOLOGY/

Tissue      Finding, severity      << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue      Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue      Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Animal: 87000853      Sex: Male      Study Start Date: 21-Jul-87      TERATOLOGY/  
Day of death: 142      Status: NORMAL, EUTHANIZED      Group: 2      Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.63

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>  
Tissue Histopathologic diagnoses / Special histological comments  
PROSTATE INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00863	Sex: Male	Group: 2	Dose level: 1.3 PPT/day
Day of death: 147	Status: NORMAL, EUTHANIZED	Terminal body weight (kms):	0.72
<p>Tissue Finding, severity</p> <p>WHOLE BODY NO LESIONS RECOGNIZED</p>			
<p>&lt;&lt; Gross Observations &gt;&gt;</p> <p>Gross Free-Text Comments</p>			
<p>&lt;&lt; Necropsy Memos &gt;&gt;</p>			
<p>Tissue Necropsy memos</p> <p>No necropsy memos recorded on animal</p>			
<p>&lt;&lt; Pathology Observations &gt;&gt;</p> <p>Histopathologic diagnoses / Special histological comments</p>			
<p>All protocol required tissues normal.</p>			

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000865 Sex: Male  
Day of death: 142 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.57

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000885	Sex: Male	Group: 2	Dose level: 1.3 PPT/day
Day of death: 143	Status: NORMAL, EUTHANIZED	Terminal body weight (kms):	0.62
-----			
Tissue	Finding, severity	<< G r o s s    O b s e r v a t i o n s    >>	
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments	
-----			
Tissue	Necropsy memos	<< N e c r o p s y    M e m o s    >>	
No necropsy memos recorded on animal			
-----			
Tissue	<< P a t h o l o g y    O b s e r v a t i o n s    >>		
Histopathologic diagnoses / Special histological comments			
All protocol required tissues normal.			

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000891 Sex: Male Status: NORMAL, EUTHANIZED Group: 2 Terminal body weight (kms): 0.54 Dose level: 1.3 PPT/day

Tissue Finding, severity Tissue Gross Observations >> Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Animal: 87000899	Sex: Male	Group: 2	Dose level: 1.3 PPT/day	TERATOLOGY/
Day of death: 143	Status: NORMAL, EUTHANIZED	Terminal body weight (kms):	0.61	
	<< Gross Observations >>			
Tissue	Finding, severity	Gross Free-Text Comments		
WHOLE BODY	NO LESIONS RECOGNIZED			
Tissue	Necropsy memos	<< Necropsy Memos >>		
	No necropsy memos recorded on animal			
Tissue	<< Pathology Observations >>			
PROSTATE	Histopathologic diagnoses / Special histological comments			
	INFLAMMATION, LYMPHOCYTIC, Slight, Focal.			

## Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000901      Sex: Male      Group: 2      Dose level: 1.3 PPT/day  
Day of death: 148      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.65  
-----  
Tissue      Finding, severity      << Gross observations >>      Gross Free-Text Comments  
LIVER      CONGESTED, Trace      PALE STREAKS

Tissue      Necropsy memos      << Necropsy Memos >>  
-----  
No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>  
PROSTATE      INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

Animal: 87000903      Sex: Male      Group: 2      Dose level: 1.3 PPT/day  
Day of death: 148      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.59

TERATOLOGY/

Tissue      Finding, severity      << G r o s s      O b s e r v a t i o n s      >>  
LIVER      CONGESTED, Trace      Gross Free-text Comments  
PALE STREAKS

Tissue      Necropsy memos      << N e c r o p s y      M e m o s      >>

No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << P a t h o l o g y      O b s e r v a t i o n s      >>  
PROSTATE      INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000907 Sex: Male Group: 2 Dose level: 1.3 PPT/day  
Day of death: 148 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.63

Tissue Finding, severity << Gross Observations >>  
LIVER CONGESTED, Trace Gross Free-Text Comments  
PALE STREAKS

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
PROSTATE INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

LUNG Miscellaneous.  
ACUTE CONGESTION, Mild, Diffuse.  
ALVEOLAR HISTIOCYTOSIS, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

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RAT/Sprague-Dawley

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Animal: 87000913	Sex: Male	Study Start Date: 21-Jul-87	TERATOLOGY/
Day of death: 148	Status: NORMAL, EUTHANIZED	Group: 2	
		Dose level: 1.3 PPT/day	
		Terminal body weight (kms): 0.53	
Tissue	Finding, severity	Gross Observations >>	
LIVER	CONGESTED, Trace	Gross Free-Text Comments	
		PALE STREAKS	
Tissue	Necropsy memos	<< Necropsy Memos >>	
	No necropsy memos recorded on animal		
Tissue	Mistopathologic diagnoses / Special histological comments	<< Pathology Observations >>	
PROSTATE	INFLAMMATION, LYMPHOCYTIC, Mild, Focal.		

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000925 Sex: Male  
Day of death: 134 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.49

Tissue Finding, severity << GROSS Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

PROSTATE INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000927 Sex: Male Group: 2 Dose level: 1.3 PPT/day  
Day of death: 148 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.55

Tissue Finding, severity << Gross Observations >>  
LIVER CONGESTED, Trace Gross Free-Text Comments  
PALE STREAKS

Tissue Necropsy Memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
PROSTATE INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

LIVER Miscellaneous.  
INFLAMMATION, ACUTE, slight, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00941 Sex: Male Group: 2 Dose level: 1.3 PPT/day  
Day of death: -8 Status: FOUND DEAD Terminal body weight (kms): 0.60

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

LUNGS CONGESTION, Moderate DIFFUSE, PALE FOCI VISIBLE

KIDNEY HYDRONEPHROSIS, Moderate RIGHT KIDNEY, 50% INCREASE IN SIZE

THYMUS CONGESTED/RED, Mild

Tissue Necropsy memos << Necropsy Memos >>

LUNGS HISTOLOGICALLY, THE PALE FOCI WERE DETERMINED TO HAVE REPRESENTED LESS CONGESTED AREAS OF LUNG. THE CAUSE OF DEATH WAS NOT DETERMINED. AUTOLYSIS WAS MODERATE.

Tissue Histopathologic diagnoses / special histological comments << Pathology Observations >>

KIDNEY Miscellaneous.  
HYDRONEPHROSIS, UNILATERAL, Moderate.

LUNG Miscellaneous.  
ACUTE CONGESTION, Moderate, Diffuse.  
VASCULAR MINERALIZATION, Mild, Focal.

THYMUS Miscellaneous.  
ACUTE HEMORRHAGE, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000945 Sex: Male  
Day of death: 149 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.58

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000947      Sex: Male      Group: 2      Dose level: 1.3 ppt/day  
Day of death: 149      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.66

Tissue      Finding, severity      << Gross observations >>  
Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

Tissue      Necropsy memos      << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>

PROSTATE      INFLAMMATION, LYMPHOCYTIC, MILD, Multifocal.



## Appendix O (Cont.): PATHOLOGY

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00957 Sex: Male  
Day of death: 149 Status: NORMAL, EUTHANIZED Group: 2 Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.70

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED  
<< Gross Observations >>  
Gross Free-Text Comments

Tissue Necropsy memos  
No necropsy memos recorded on animal  
<< Necropsy Memos >>

Tissue Histopathologic diagnoses / Special histological comments  
PROSTATE INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.  
<< Pathology Observations >>

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000959 Sex: Male  
Day of death: 149 Status: NORMAL, EUTHANIZED

Group: 2

Dose level: 1.3 PPT/day  
Terminal body weight (kms): 0.62

Tissue finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

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RAT/Sprague-Dawley

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Animal: 87000963	Sex: Male	Group: 2	Terminal body weight (kms): 1.3 PPT/day	TERATOLOGY/
Day of death: 149	Status: NORMAL, EUTHANIZED		Dose level: 0.62	
Study Start Date: 21-Jul-87				
<< Gross Observations >> Gross Free-Text Comments				
Tissue	Finding, severity			
WHOLE BODY NO LESIONS RECOGNIZED				
<< Necropsy Memos >> Necropsy memos No necropsy memos recorded on animal				
<< Pathology Observations >> Histopathologic diagnoses / Special histological comments All protocol required tissues normal.				

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAI/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00311 Sex: Male  
Day of death: 93 Status: NORMAL, EUTHANIZED Group: 3 Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.49

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments  
WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments  
PROSTATE INFLAMMATION, LYMPHOCYTIC, slight, focal.

## Appendix O (Cont.): PATHOLOGY

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Study Number: 87012M

Study Start Date: 21-Jul-87

Animal: 87D00315      Sex: Male      Group: 3      Dose level: 4.0 PPT/day  
Day of death: 99      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.45  
-----  
Tissue      Finding, severity      << G r o s s      O b s e r v a t i o n s      >>      TERATOLOGY/  
-----  
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments

## &lt;&lt; N e c r o p s y      M e m o s      &gt;&gt;

Tissue      Necropsy memos  
-----  
No necropsy memos recorded on animal

## &lt;&lt; P a t h o l o g y      O b s e r v a t i o n s      &gt;&gt;

Tissue      Histopathologic diagnoses / Special histological comments  
-----  
PROSTATE      INFLAMMATION, LYMPHOCYTIC, slight, focal.  
INFLAMMATION, PURULENT, mild, focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00316 Sex: Male Group: 3 Dose level: 4.0 PPT/day  
Day of death: 93 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.43

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

PROSTATE INFLAMMATION, PURULENT, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000319 Sex: Male Dose level: 4.0 PPT/day  
Day of death: 93 Status: NORMAL, EUTHANIZED Group: 3 Terminal body weight (kms): 0.55

Tissue Finding, severity << Gross Observations >> Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
PROSTATE INFLAMMATION, LYMPHOCYTIC, Slight, Focal.  
MINERALIZATION, Slight, Focal.

## Appendix O (Cont.): PATHOLOGY

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000322 Sex: Male

Day of death: 93 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
 Terminal body weight (kms): 0.54

<< Gross Observations >>  
 Gross Free-Text Comments

Finding, severity

NO LESIONS RECOGNIZED

Tissue

WHOLE BODY

<< Necropsy Memos >>

Necropsy memos

No necropsy memos recorded on animal

Tissue

<< Pathology Observations >>  
 Histopathologic diagnoses / Special histological comments

Tissue

All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000325      Sex: Male      Group: 3      Dose level: 4.0 PPT/day  
Day of death: 93      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.58

Tissue      Finding, severity      << Gross observations >>  
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments

Tissue      Necropsy memos      << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000333 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.51

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

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Animal: 87D00338	Sex: Male	Group: 3	Dose level: 4.0 PPT/day	TERATOLOGY/
Day of death: 93	Status: NORMAL, EUTHANIZED	Terminal body weight (kms): 0.53		
Tissue	Finding, severity	Gross observations >>		
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments		
Tissue	Necropsy memos	<< Necropsy Memos >>		
No necropsy memos recorded on animal				
Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>		
All protocol required tissues normal.				

## Appendix O (Cont.): PATHOLOGY

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00341 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.53

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000350 Sex: Male Status: NORMAL, EUTHANIZED Group: 3 Dose level: 4.0 PPT/day  
Day of death: 99 Terminal body weight (kms): 0.49

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue << Pathologic diagnoses / Special histological comments >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

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RAT/Spreague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000355 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.48

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

PROSTATE INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.  
INFLAMMATION, PURULENT, slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000361 Sex: Male Status: NORMAL, EUTHANIZED Group: 3 Dose level: 4.0 PPT/day  
Day of death: 99 Terminal body weight (kms): 0.42

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

# Appendix O (Cont.): PATHOLOGY

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 8700362 Sex: Male Status: NORMAL, EUTHANIZED Group: 3 Dose level: 4.0 PPT/day  
Day of death: 106 Terminal body weight (kms): 0.53

Tissue Finding, severity Tissue Necropsy memos  
WHOLE BODY NO LESIONS RECOGNIZED

<< Gross Observations >>  
Gross Free-Text Comments

<< Necropsy Memos >>  
Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>  
Tissue Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00365 Sex: Male  
Day of death: 106 Status: NORMAL, EUTHANIZED Group: 3 Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.52

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
All protocol required tissues normal.

<< Necropsy Memos >>

<< Pathology Observations >>

<< Gross Observations >>  
Gross Free-Text Comments

## Appendix O (Cont.): PATHOLOGY

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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00367 Sex: Male  
Day of death: 106 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.58

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< P a t h o l o g y O b s e r v a t i o n s >>  
Histopathologic diagnoses / Special histological comments

Tissue

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000370 Sex: Male  
Day of death: 106 Status: NORMAL, EUTHANIZED

Group: 3 Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.41

Tissue Finding, severity

<< Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos

<< Necropsy Memos >>

No necropsy memos recorded on animal

Tissue

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000384 Sex: Male

Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day

0.38

Day of death: 106

Terminal body weight (kms):

0.38

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Findings, severity

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

Tissue

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012H

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000386 Sex: Male  
Day of death: 106 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.49

Tissue Finding, severity  
NO LESIONS RECOGNIZED

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Necropsy Memos >>

Tissue Histopathologic diagnoses / special histological comments  
All protocol required tissues normal.

<< Pathology Observations >>



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
 Study Number: 87012M

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Animal: 87000391	Sex: Male	Group: 3	Dose level: 4.0 PPT/day	TERATOLOGY/
Day of death: 99	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.50	
	<< Gross Observations >>			
Tissue	Finding, severity	Gross Observations		
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments		
Tissue	Necropsy memos	<< Necropsy Memos >>		
	No necropsy memos recorded on animal			
Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>		
	All protocol required tissues normal.			

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00398 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.55

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

Tissue

All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000399

Sex: Male

Group: 3

Status: NORMAL, EUTHANIZED

Dose level: 4.0 PPT/day

Terminal body weight (kms): 0.47

Day of death: 99

Tissue Finding, severity

<< Gross Observations >>

Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87006401 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day

Terminal body weight (kms): 0.52

<< Gross Observations >>  
Gross Free-Text Comments

Finding, severity

NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

Tissue

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000409 Sex: Male

Day of death: 99 Status: NORMAL, EUTHANIZED

Group: 3

Dose level:

4.0 PPT/day

Terminal body weight (kms):

0.54

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

Tissue Necropsy memos

No necropsy memos recorded on animal

<< M e c r o p s y M e m o s >>

Tissue Histopathologic diagnoses / Special histological comments

PROSTATE INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

<< P a t h o l o g y O b s e r v a t i o n s >>

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000410 Sex: Male Group: 3 Dose level: 4.0 PPT/day  
Day of death: 106 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.44

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Spreague-Dawley

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87B00803

Sex: Male

Group: 3

Day of death: 135

Status: NORMAL, EUTHANIZED

Dose level: 4.0 PPT/day

Terminal body weight (kms): 0.56

Tissue Findings, severity

<< Gross Observations >>

Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

PROSTATE INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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 RAT/Sprague-Dawley

Animal: 87000805      Sex: Male  
 Day of death: 134      Status: NORMAL, EUTHANIZED

Individual Animal Data Dump Table  
 Study Number: 87012M  
 Study Start Date: 21-Jul-87      Group: 3

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TERATOLOGY/  
 Dose level: 4.0 PPT/day  
 Terminal body weight (kms): 0.51

---<< G r o s s    O b s e r v a t i o n s    >>---  
 ---Gross Free-Text Comments---  
 ---<< Necropsy    M e m o s    >>---  
 ---<< P a t h o l o g y    O b s e r v a t i o n s    >>---

Tissue      Finding, severity  
 ---<< P a t h o l o g y    O b s e r v a t i o n s    >>---

WHOLE BODY      NO LESIONS RECOGNIZED

Tissue      Necropsy memos  
 ---<< P a t h o l o g y    O b s e r v a t i o n s    >>---

No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments  
 ---<< P a t h o l o g y    O b s e r v a t i o n s    >>---

PROSTATE      INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000811

Sex: Male

Group: 3

Dose level:

4.0 PPT/day

Day of death: 135

Status: NORMAL, EUTHANIZED

Terminal body weight (kms):

0.54

Tissue Finding, severity

<< Gross Observations >>

Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

PROSTATE INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATM SERV GP  
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 RAT/Sprague-Dawley

Animal: 87000817      Sex: Male  
 Day of death: 141      Status: NORMAL, EUTHANIZED  
 Study Start Date: 21-Jul-87      Group: 3  
 Study Number: 87012M

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TERATOLOGY/  
 Dose level: 4.0 PPT/day  
 Terminal body weight (kms): 0.64

Findings, severity  
 << Gross Observations >>  
 Gross Free-text Comments

NO LESIONS RECOGNIZED

Findings, severity  
 << Necropsy Memos >>

NO necropsy memos recorded on animal

Findings, severity  
 << Pathology Observations >>  
 Special histological comments

INFLAMMATION, LYMPHOCYTIC, MILD, Multifocal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000825 Sex: Male  
Day of death: 141 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.59

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / special histological comments  
All protocol required tissues normal.

<< P a t h o l o g y O b s e r v a t i o n s >>

# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000835 Sex: Male  
Day of death: 135 Status: NORMAL, EUTHANIZED Group: 3 Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.63

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments  
PROSTATE INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000839 Sex: Male  
Day of death: 143 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 ppt/day  
Terminal body weight (kms): 0.62

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< Gross Observations >>  
Gross Free-Text Comments

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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 RAT/Sprague-Dawley

Animal: 87000845      Sex: Male  
 Day of death: 141      Status: NORMAL, EUTHANIZED

Individual Animal Data Dump Table  
 Study Number: 87012H  
 Study Start Date: 21-Jul-87

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TERATOLOGY/  
 Dose level: 4.0 PPT/day  
 Terminal body weight (kms): 0.61

Group: 3

Gross Observations >>  
 Gross Free-Text Comments

Finding, severity  
 NO LESIONS RECOGNIZED

Whole Body

Necropsy memos

No necropsy memos recorded on animal

Pathology Observations >>  
 Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
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BAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000849 Sex: Male  
Day of death: 147 Status: NORMAL, EUTHANIZED

Group: 3 Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.62

Tissue Finding, severity

<< Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Study Start Date: 21-Jul-87  
Animal: 87000859 Sex: Male  
Day of death: 137 Status: NORMAL, EUTHANIZED Group: 3  
Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.54

TERATOLOGY/

Tissue Finding, severity  
Gross Observations  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments  
PROSTATE INFLAMMATION, LYMPHOCYTIC, Moderate, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00869      Sex: Male      Group: 3      Dose level: 4.0 PPT/day  
Day of death: 147      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.65  
-----  
Tissue      Finding, severity      << Gross Observations >>  
-----  
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments

<< Necropsy Memos >>

Tissue      Necropsy memos  
-----  
No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue      Histopathologic diagnoses / Special histological comments  
-----  
PROSTATE      INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
 Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Dose level: 4.0 PPT/day  
 Terminal body weight (kms): 0.52

Dose level: 4.0 PPT/day  
 Terminal body weight (kms): 0.52

Group: 3

Sex: Male

Status: NORMAL, EUTHANIZED

Animal: 87000881

Day of death: 140

<< Gross Observations >>

Tissue Finding, severity  
 WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00887 Sex: Male  
Day of death: 147 Status: NORMAL, EUTHANIZED

Group: 3 Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.53

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000889      Sex: Male      Group: 3      Dose level: 4.0 PPT/day  
Day of death: 148      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.62

-----<< Gross Observations >>-----  
Tissue      Finding, severity      Gross Free-Text Comments

LIVER      CONGESTED, Trace      PALE VERTICAL AND LINEAR STREAKS

-----<< Necropsy Memos >>-----  
Tissue      Necropsy memos

No necropsy memos recorded on animal

-----<< Pathology Observations >>-----  
Tissue      Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000905 Sex: Male Group: 3 Dose level: 4.0 PPT/day  
Day of death: 140 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.60

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

PROSTATE INFLAMMATION, LYMPHOCYTIC, Mild, focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 8700909 Sex: Male Status: NORMAL, EUTHANIZED Group: 3 Dose Level: 4.0 PPT/day  
Day of death: 148 Terminal body weight (kms): 0.60

Tissue Finding, severity << Gross Observations >>  
LIVER CONGESTED, Trace Gross Free-Text Comments  
PALE STREAKS

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
PROSTATE Histopathologic diagnoses / Special histological comments  
INFLAMMATION, LYMPHOCTIC, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000917      Sex: Male      Group: 3      Dose level: 4.0 PPT/day  
Day of death: 148      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.51

Tissue      Finding, severity      << Gross Observations >>  
LIVER      CONGESTED, Trace      Gross Free-Text Comments  
PALE STREAKS

Tissue      Necropsy memos      << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>  
All protocol required tissues normal.

# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Animal: 87000919 Sex: Male  
Day of death: 148 Status: NORMAL, EUTHANIZED  
Study Start Date: 21-Jul-87  
Group: 3  
Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.59  
TERATOLOGY/

Tissue Finding, severity  
LIVER CONGESTED, Trace  
Gross Observations >>  
Gross Free-Text Comments  
PALE STREAKS

## << Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

## << Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments  
PROSTATE INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
BAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000929 Sex: Male  
Day of death: 134 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.60

Tissue Finding, severity << G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue << P a t h o l o g y O b s e r v a t i o n s >>  
Histopathologic diagnoses / Special histological comments  
PROSTATE INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.





## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000965 Sex: Male  
Day of death: 134 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.60

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< Gross Observations >>  
Gross Free-Text Comments

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012H

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000967 Sex: Male

Group: 3

Dose level: 4.0 PPT/day

Day of death: 140

Status: NORMAL, EUTHANIZED

Terminal body weight (kms): 0.60

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012H

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000973 Sex: Male  
Day of death: 149 Status: NORMAL, EUTHANIZED

Group: 3

Dose level: 4.0 PPT/day  
Terminal body weight (kms): 0.58

Tissue Finding, severity

<< Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Animal: 87000321	Sex: Male	Study Start Date: 21-Jul-87	TERATOLOGY/
Day of death: 99	Status: NORMAL, EUTHANIZED	Group: 4	
		Dose level: 12.7 ppt/day	
		Terminal body weight (kms): 0.47	
Tissue	Finding, severity	<< Gross Observations >>	
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments	
Tissue	Necropsy memos	<< Necropsy Memos >>	
No necropsy memos recorded on animal			
Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>	
PITUITARY GLAND	Required protocol tissue is missing.		

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

**Individual Animal Data Dump Table**  
**Study Number: 87012M**

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Study Start Date: 21-Jul-87

TERATOLOGY/

**Animal: 87D00327**

**Sex: Male**

**Group: 4**

**Sex: Male**  
**Status: NORMAL, EUTHANIZED**

**Dose level:** 12.7 ppt/day  
**Flight (kms):** 0.53

0.53

0.53

[illegible]

<< Gross	Observations	>>
		Gross Free-Text Comments

Gross Free-Text Comments

**WHOLE BODY**

# Memos

## Tissue Necropsy notes

**No necropsy memos recorded on animal**

# « Pathology Observations »

Tissue	Histopathologic diagnoses / Special histological comments
Small intestine	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Colon	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Rectum	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Sigmoid colon	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Cecum	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Ileocecal junction	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Ileum	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Terminal ileum	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Appendix	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Stomach	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Duodenum	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Jejunum	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Ileum	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Colon	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Rectum	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Sigmoid colon	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Cecum	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Ileocecal junction	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Ileum	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Terminal ileum	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.
Appendix	Chronic inflammation, crypt abscesses, ulceration, villous atrophy, intraepithelial lymphocytes, eosinophils, plasma cells, goblet cell depletion.

**PITUITARY GLAND Required protocol tissue is missing.**

**DEGENERATION, SEMINIFEROUS TUBULES, SLIGHT, MULTIFOCAL.**

**EPIDIDYMIUM INFLAMMATION, LYMPHOCYTIC, SLIGHT, MULTIFOCAL.**

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000334 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 ppt/day  
Terminal body weight (kms): 0.56

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments  
PITUITARY GLAND Required protocol tissue is missing.

EPIDIDYMS INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.

URINARY BLADDER Miscellaneous.  
INFLAMMATION, LYMPHOCYTIC, slight, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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 RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
 Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000335 Sex: Male  
 Day of death: 93 Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day

0.40

Terminal body weight (kms):

<< Gross Observations >>

Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments >>

EPIDIDYMNUS

INFLAMMATION, GRANULOMATOUS, Moderate, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/Sprague-Dawley

Animal: 87000337      Sex: Male  
 Day of death: 93      Status: NORMAL, EUTHANIZED      Group: 4

Study Start Date: 21-Jul-87      Dose level: 12.7 PPT/day  
 Study Number: 87012M      Terminal body weight (kms): 0.50

TERATOLOGY/

Findings, severity      << Gross Observations >>  
 NO LESIONS RECOGNIZED      Gross Free-Text Comments

Tissue      Finding, severity      NO LESIONS RECOGNIZED

WHOLE BODY

Tissue      Necropsy memos      << Necropsy Memos >>  
 No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>  
 EPIDIDYMUS      INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

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## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000340 Sex: Male Status: NORMAL, EUTHANIZED Group: 4 Dose level: 12.7 PPT/day  
Day of death: 93 Terminal body weight (kms): 0.47

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

PITUITARY GLAND /ONLY PARTES DISTALIS AND INTERMEDIA PRESENT RECUT DONE

EPIDIDYMS INFLAMMATION, GRANULOMATOUS, Moderate, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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 RAT/Sprague-Dawley

Animal: 87D00343      Sex: Male  
 Day of death: 93      Status: NORMAL, EUTHANIZED

Individual Animal Data Dump Table  
 Study Number: 87012M

Study Start Date: 21-Jul-87      Group: 4      Dose level: 12.7 PPT/day  
 Terminal body weight (kms): 0.54

TERATOLOGY/

Findings, severity      << Gross Observations >>  
 NO LESIONS RECOGNIZED      Gross Free-Text Comments

Tissue      Necropsy memos      << Necropsy Memos >>  
 No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>  
 PROSTATE      INFLAMMATION, LYMPHOCYTIC, slight, Focal.

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## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAY/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87		TERATOLOGY/	
Animal: 87000344	Sex: Male	Group: 4	Dose level: 12.7 PPT/day
Day of death: 93	Status: NORMAL, EUTHANIZED	Terminal body weight (kms):	0.51
Tissue	Finding, severity	<< Gross Observations >>	
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments	
Tissue	Necropsy memos	<< Necropsy Memos >>	
No necropsy memos recorded on animal			
Tissue	<< Pathology Observations >>		
PROSTATE	Metapathologic diagnoses / Special histological comments		
INFLAMMATION, ACUTE, slight, focal.			

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATN SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000345 Sex: Male Group: 4 Dose level: 12.7 ppt/day  
Day of death: 93 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.43

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Mistopathologic diagnoses / Special histological comments  
PROSTATE INFLAMMATION, LYMPHOCYTIC, slight, focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000352 Sex: Male

Group: 4

Status: NORMAL, EUTHANIZED

Dose level: 12.7 PPT/day

Terminal body weight (kms): 0.58

Day of death: 99

Tissue Finding, severity

<< Gross Observations >>

Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

PITUITARY GLAND Required protocol tissue is missing.

EPIDIDYMUS INFLAMMATION, LYMPHOCYTIC, Slight, Focal.  
INFLAMMATION, GRANULOMATOUS, Moderate, Focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000357 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.51

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
EPIDIDYMUS INFLAMMATION, LYMPHOCYTIC, slight, focal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Animal: 87000360	Sex: Male	Group: 4	Dose level: 12.7 PPT/day	TERATOLOGY/
Day of death: 93	Status: NORMAL, EUTHANIZED	Terminal body weight (kms): 0.52		
Study Start Date: 21-Jul-87				
-----				
Tissue	Finding, severity	<< Gross Observations >>		
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments		
-----				
Tissue	Necropsy memos	<< Necropsy Memos >>		
No necropsy memos recorded on animal				
-----				
Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>		
PITUITARY GLAND	/ONLY PARS DISTALIS AND PARS INTERMEDIA PRESENT RECUOT DONE			
EPIDIDYMS	INFLAMMATION, SUBACUTE, slight, Multifocal.			

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 8700363 Sex: Male  
Day of death: 93 Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.51

<< G r o s s   O b s e r v a t i o n s   >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< N e c r o p s y   M e m o s   >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< P a t h o l o g y   O b s e r v a t i o n s   >>

Tissue Histopathologic diagnoses / Special histological comments  
TESTIS DEGENERATION, SEMINIFEROUS TUBULES, slight, Multifocal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATM SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000372 Sex: Male Group: 4 Dose Level: 12.7 PPT/day  
Day of death: 99 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.48

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

TESTIS DEGENERATION, SEMINIFEROUS TUBULES, slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012H

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Animal: 87000382	Sex: Male	Group: 4	Dose level: 12.7 PPT/day	TERATOLOGY/
Day of death: 106	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.57	
Study Start Date: 21-Jul-87				
-----				
Tissue	Finding, severity	<< Gross Observations >>		
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comment		
-----				
Tissue	Necropsy memos	<< Necropsy Memos >>		
No necropsy memos recorded on animal		-----		
Tissue	Histopathologic diagnoses / Special histological comments	<< Pathology Observations >>		
EPIDIDYMUS	INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.	-----		

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000383 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED Group: 4 Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.59  
--<< Gross Observations -->>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
PITUITARY GLAND Required protocol tissue is missing.

<< Pathology Observations >>

TESTIS DEGENERATION, SEMINIFEROUS TUBULES, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000385 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.51

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< Gross Observations >>  
Gross Free-Text Comments

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
<< Pathology Observations >>

PITUITARY GLAND Required protocol tissue is missing.

EPIDIDYMNUS INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000387 Sex: Male  
Day of death: 99 Status: NORMAL, EUTHANIZED Group: 4 Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.40

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED  
Gross Observations  
Gross Free-Text Comments

Tissue Necropsy memos  
No necropsy memos recorded on animal  
Necropsy Memos

Tissue Histopathologic diagnoses / Special histological comments  
TESTIS DEGENERATION, SEMINIFEROUS TUBULES, slight, Focal.  
Pathology Observations

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
 DIV OF RES SUPP, PATH SERV GP  
 PRESIDIO OF SAN FRANCISCO, CA 94129  
 RAT/Sprague-Dawley

Animal: 87D00388      Sex: Male  
 Day of death: 99      Status: NORMAL, EUTHANIZED

Individual Animal Data Dump Table  
 Study Number: 87012M

Study Start Date: 21-Jul-87

Group: 4      Dose level: 12.7 PPT/day  
 Terminal body weight (kms): 0.53

TERATOLOGY/

Findings, severity      << Gross Observations >>  
 NO LESIONS RECOGNIZED      Gross Free-Text Comments

Tissue      Finding, severity      << Necropsy Memos >>  
 WHOLE BODY      NO LESIONS RECOGNIZED

Tissue      Necropsy memos  
 No necropsy memos recorded on animal

Tissue      << Pathology Observations >>  
 Mistopathologic diagnoses / Special histological comments

PROSTATE      INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

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## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000393      Sex: Male      Group: 4      Dose level: 12.7 PPT/day  
Day of death: 99      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.54

Tissue      Finding, severity      << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED      << Necropsy Memos >>

Tissue      Necropsy memos  
No necropsy memos recorded on animal

Tissue      << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments  
All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Animal: 87D00400 Sex: Male  
Day of death: 106 Status: NORMAL, EUTHANIZED  
Study Start Date: 21-Jul-87 Group: 4 Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.50  
TERATOLOGY/  
Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< G r o s s O b s e r v a t i o n s >>  
Gross Free-Text Comments

<< N e c r o p s y M e m o s >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< P a t h o l o g y O b s e r v a t i o n s >>

Tissue Histopathologic diagnoses / Special histological comments

TESTIS DEGENERATION, SEMINIFEROUS TUBULES, Severe, Diffuse.  
HYPERPLASIA, INTERSTITIAL CELL, Mild, Diffuse.

EPIDIDYMNUS DECREASED SPERMATOZOA, Marked, Diffuse.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000402	Sex: Male	Group: 4	Dose level: 12.7 PPT/day
Day of death: 99	Status: NORMAL, EUTHANIZED	Terminal body weight (kms):	0.49
-----			
Tissue	Finding, severity	<< G r o s s   O b s e r v a t i o n s   >>	
WHOLE BODY	NO LESIONS RECOGNIZED	Gross Free-Text Comments	
-----			
Tissue	Necropsy memos	<< N e c r o p s y   M e m o s   >>	
No necropsy memos recorded on animal			
-----			
Tissue	Histopathologic diagnoses / Special histological comments	<< P a t h o l o g y   O b s e r v a t i o n s   >>	
All protocol required tissues normal.			

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000403

Sex: Male

Status: NORMAL, EUTHANIZED

Group: 4

Terminal body weight (kms):

Dose level: 12.7 PPT/day

0.48

Day of death: 59

<< Gross Observations >>  
Gross Free-Text Comments

Finding, severity

NO LESIONS RECOGNIZED

Tissue

WHOLE BODY

<< Necropsy Memos >>

Necropsy memos

No necropsy memos recorded on animal

Tissue

<< Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

Tissue

TESTIS DEGENERATION, SEMINIFEROUS TUBULES, slight, Multifocal.

EPIDIDYMUS

INFLAMMATION, GRANULOMATOUS, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000404      Sex: Male      Dose level: 12.7 PPT/day  
Day of death: 99      Status: NORMAL, EUTHANIZED      Group: 4      Terminal body weight (kms): 0.58

Tissue      Finding, severity      << G r o s s      O b s e r v a t i o n s      >>  
Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

Tissue      Necropsy memos      << N e c r o p s y      M e m o s      >>

No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << P a t h o l o g y      O b s e r v a t i o n s      >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAY/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000815 Sex: Male  
Day of death: 137 Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.49

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

Tissue Necropsy memos << Necropsy Memos >>

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
PROSTATE INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000819      Sex: Male      Group: 4      Dose Level: 12.7 ppt/day  
Day of death: 143      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.55  
-----  
Tissue      Finding, severity      << Gross Observations >>      Gross Free-Text Comments  
-----  
WHOLE BODY      NO LESIONS RECOGNIZED      -----

<< Necropsy Memos >>

Tissue      Necropsy memos  
-----  
No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue      Histopathologic diagnoses / Special histological comments  
-----  
PITUITARY GLAND      /ONLY PARTIES DISTALIS AND INTERMEDIA PRESENT RECUT DONE  
EPIDIDYMUS      INFLAMMATION, LYMPHOCYTIC, Slight, Focal.  
PROSTATE      HEMORRHAGE, Slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 8700823 Sex: Male  
Day of death: 134 Status: NORMAL, EUTHANIZED

Group: 4 Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.59

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue Histopathologic diagnoses / Special histological comments

PROSTATE INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.

**Appendix O (Cont.): PATHOLOGY**

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
EAT/Sprague-Dawley

**Individual Animal Data Dump Table**  
**Study Number: 87012M**

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**Study Start Date: 21-Jul-87**

Animal: 87D00833	Sex: Male	Group: 4	Dose level: 12.7 PPT/day
Day of death: 148	Status: NORMAL, EUTHANIZED		Terminal body weight (kms): 0.56

Tissue	Finding, severity	<< Gross	Observations >>	Gross Free-Text Comments

# Neuropsy

No necropsy memos recorded on animal

Tissue	<< Pathology Observations >>
PROSTATE	Histopathologic diagnoses / Special histological comments
	INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000851 Sex: Male  
Day of death: 142 Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.63

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

PROSTATE INFLAMMATION, LYMPHOCYTIC, Moderate, Multifocal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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 RAT/Spregue-Dawley

Animal: 87000855      Sex: Male  
 Day of death: 147      Status: NORMAL, EUTHANIZED

Study Start Date: 21-Jul-87      Group: 4      Dose level: 12.7 PPT/day  
 Study Number: 87012M      Terminal body weight (kms): 0.55

TERATOLOGY/

Tissue      Finding, severity      << Gross Observations >>  
 NO LESIONS RECOGNIZED      Gross Free-Text Comments

Tissue      Necropsy memos      << Necropsy Memos >>  
 No necropsy memos recorded on animal

Tissue      Histopathologic diagnoses / Special histological comments      << Pathology Observations >>  
 EPIDIDYMUS      INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

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## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 8700867 Sex: Male  
Day of death: 141 Status: NORMAL, EUTHANIZED Group: 4 Dose level: 12.7 PPT/day  
0.58  
Terminal body weight (kms):  
Tissue Finding, severity << Gross Observations >> Gross Free-Text Comments  
WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Mistopathologic diagnoses / Special histological comments

PITUITARY GLAND /ONLY PARS DISTALIS PRESENT RECUT DONE

EPIDIDYMS INFLAMMATION, LYMPHOCYTIC, Slight, Focal.

PROSTATE INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00873      Sex: Male      Group: 4      Dose level: 12.7 PPT/day  
Day of death: 147      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.58  
-----  
Tissue      Finding, severity      << Gross Observations >>  
-----  
WHOLE BODY      NO LESIONS RECOGNIZED      Gross Free-Text Comments

<< Necropsy Memos >>

Tissue      Necropsy memos  
-----  
No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue      Histopathologic diagnoses / Special histological comments  
-----  
PITUITARY GLAND      /ONLY PARTES DISTALIS AND INTERMEDIA PRESENT RECUT DONE  
EPIDIDYMS      INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.  
PROSTATE      INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 8700883 Sex: Male Group: 4 Dose Level: 12.7 PPT/day  
Day of death: 140 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.55

Tissue Finding, severity << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

EPIDIDYMUS INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

PROSTATE INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
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PRESIDIO OF SAN FRANCISCO, CA 94129  
RAI/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Animal: 87000893 Sex: Male  
Day of death: 143 Status: NORMAL, EUTHANIZED  
Study Start Date: 21-Jul-87 Group: 4  
TERATOLOGY/  
Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.60  
Gross Observations >>  
Gross Free-Text Comments

Finding, severity  
NO LESIONS RECOGNIZED

## &lt;&lt; Necropsy Memos &gt;&gt;

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments

TESTIS DEGENERATION, SEMINIFEROUS TUBULES, slight, Multifocal.

EPIDIDYMS INFLAMMATION, LYMPHOCYTIC, slight, Focal.

PROSTATE INFLAMMATION, LYMPHOCYTIC, Moderate, Multifocal.  
MINERALIZATION, slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000895      Sex: Male      Group: 4      Dose level: 12.7 PPT/day  
Day of death: 143      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.58  
-----  
Tissue      Finding, severity      << Gross observations >>      Gross Free-Text Comments  
-----  
WHOLE BODY      NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue      Necropsy memos  
-----  
No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue      Histopathologic diagnoses / Special histological comments  
-----  
PITUITARY GLAND      CYST(S), Slight, Focal.  
EPIDIDYMS      INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.  
PROSTATE      INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000897      Sex: Male      Group: 4      Dose level: 12.7 PPT/day  
Day of death: 143      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.56

Tissue      Finding, severity      << Gross Observations >>  
Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue      Necropsy memos  
No necropsy memos recorded on animal

Tissue      << Pathology Observations >>  
Histopathologic diagnoses / Special histological comments  
PROSTATE      INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000911 Sex: Male  
Day of death: 140 Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day  
Terminal body weight (kms): 0.56

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments  
TESTIS DEGENERATION, SEMINIFEROUS TUBULES, slight, Multifocal.

EPIDIDYMUS INFLAMMATION, LYMPHOCYTIC, slight, Multifocal.

COAGULATING GL. Miscellaneous.  
INFLAMMATION, LYMPHOCYTIC, slight, Focal.

PROSTATE INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.



## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATN SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000923      Sex: Male      Group: 4      Dose level: 12.7 PPT/day  
Day of death: 148      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.61

Tissue      Finding, severity      << Gross Observations >>  
SPLEEN      DISCOLORATION, Mild      Gross Free-Text Comments

AT TIP

LIVER      CONGESTED, Trace

<< Necropsy Memos >>

Tissue      Necropsy memos  
No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue      Histopathologic diagnoses / Special histological comments  
PITUITARY GLAND      Required protocol tissue is missing.

PROSTATE      INFLAMMATION, LYMPHOCYTIC, Moderate, Multifocal.

# Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000931 Sex: Male Status: NORMAL, EUTHANIZED Group: 4 Terminal body weight (kms): 12.7 PPT/day  
Day of death: 140 Dose level: 0.60

Tissue Finding, severity Tissue Gross Observations >> Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>

PITUITARY GLAND /ONLY PARS DISTALIS PRESENT RECUOT DONE

PROSTATE INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000933 Sex: Male Group: 4 Dose level: 12.7 PPT/day  
Day of death: 148 Status: NORMAL, EUTHANIZED Terminal body weight (kms): 0.58

Tissue Finding, severity << Gross Observations >>  
KIDNEY DISCOLORATION, Trace Gross Free-Text Comments

LIVER CONGESTED, Trace PALE STREAKS SWOLLEN W PALE STREAKS

Tissue Necropsy memos << Necropsy Memos >>  
No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments << Pathology Observations >>  
PROSTATE INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

KIDNEY Miscellaneous.  
HYPERPLASIA, EPITHELIUM OF TUBULES, Slight, Multifocal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAY/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 870i2M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00953 Sex: Male  
Day of death: 134 Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day  
Terminal body weight (kms): ----

Tissue Finding, severity  
WHOLE BODY NO LESIONS RECOGNIZED

<< Gross Observations >>  
Gross Free-Text Comments

Tissue Necropsy memos  
No necropsy memos recorded on animal

<< Necropsy Memos >>

Tissue Histopathologic diagnoses / Special histological comments  
EPIDIDYNUX INFLAMMATION, LYMPHOCYTIC, Slight, Multifocal.  
INFLAMMATION, GRANULOMATOUS, Moderate, Focal.  
PROSTATE INFLAMMATION, LYMPHOCYTIC, Mild, Multifocal.

<< Pathology Observations >>

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

Individual Animal Data Dump Table  
Study Number: 87012M

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Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87000961

Sex: Male

Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day

Terminal body weight (kms): 0.48

Day of death: 149

Status: NORMAL, EUTHANIZED

Group: 4

Dose level: 12.7 PPT/day

Terminal body weight (kms): 0.48

Tissue Finding, severity

<< Gross Observations >>

Gross Free-Text Comments

WHOLE BODY NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue Necropsy memos

No necropsy memos recorded on animal

Tissue Histopathologic diagnoses / Special histological comments

<< Pathology Observations >>

All protocol required tissues normal.

## Appendix O (Cont.): PATHOLOGY

LETTERMAN ARMY INSTITUTE OF RESEARCH  
DIV OF RES SUPP, PATH SERV GP  
PRESIDIO OF SAN FRANCISCO, CA 94129  
RAT/Sprague-Dawley

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Individual Animal Data Dump Table  
Study Number: 87012M

Study Start Date: 21-Jul-87

TERATOLOGY/

Animal: 87D00975      Sex: Male      Group: 4      Dose level: 12.7 PPT/day  
Day of death: 149      Status: NORMAL, EUTHANIZED      Terminal body weight (kms): 0.55

Tissue      Finding, severity      << Gross Observations >>      Gross Free-Text Comments

WHOLE BODY      NO LESIONS RECOGNIZED

<< Necropsy Memos >>

Tissue      Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue      Histopathologic diagnoses / Special histological comments

TESTIS      DEGENERATION, SEMINIFEROUS TUBULES, Moderate, Multifocal.  
HYPERPLASIA, INTERSTITIAL CELL, Mild, Diffuse.

EPIDIDYMUS      INFLAMMATION, SUBACUTE, Mild, Multifocal.  
DECREASED SPERMATOZOA, Moderate, Multifocal.  
EPITHELIAL HYPERPLASIA, Moderate, Multifocal.

PROSTATE      INFLAMMATION, LYMPHOCYTIC, Moderate, Multifocal.

Glossary of Microscopic Findings

Coagulating Gland

--Inflammation, Lymphocytic: The interstitial connective tissue is infiltrated with increased numbers of lymphocytes, individually or in small aggregates.

Epididymus

--Decreased Spermatozoa: Decreased numbers of spermatozoa are present in epididymal tubules.

--Epithelial Hyperplasia: The epithelium is multi-layered and non-ciliated. This is associated with inflammation and the epithelium is infiltrated with leukocytes.

--Inflammation, Granulomatous: Focal or multifocal granulomatous inflammation with sperm visible.

--Inflammation, Lymphocytic: Increased numbers of lymphocytes, individually and in small aggregates, are confined to the interstitial connective tissue and occasionally the glandular epithelium.

--Inflammation, Subacute: The interstitial connective tissue contains increased numbers of lymphocytes, neutrophils and macrophages.

Fetus

--Autolysis, with Associated Endometrial Inflammation: The endometrium is infiltrated with neutrophils. Indicates death in utero.

Kidney

--Hydronephrosis, Unilateral: Self-explanatory.

--Hyperplasia, Epithelium of Tubules: Self-explanatory.

--Vacuolation, Epithelium of Tubules: Self-explanatory

Liver

--Inflammation, Subacute: Multifocal infiltration of the connective tissue of portal triads and/or sinusoids by a mixed population of mononuclear cells.

--Injection Artifact: Self-explanatory.

Lungs

--Acute Congestion: Self-explanatory.

--Alveolar Histiocytosis: Self-explanatory.

--Hemorrhage: Self-explanatory.

--Inflammation, Interstitial, Subacute: Multifocal, interstitial aggregates of macrophages and neutrophils, with a few lymphocytes, are randomly scattered through the parenchyma.

--Vascular Mineralization: The walls of one or more medium-sized vessels in the lungs has a mineralized focus.

Ovaries

- Cyst(s): Self-explanatory.
- Decreased Corpora Lutea: Corpora lutea are decreased in number.
- Hyperplasia, Interstitial Cell: Self-explanatory.
- Mineralization: Self-explanatory.

Pituitary Gland

- Cyst(s): Ciliated or non-ciliated, in any portion of the gland.
- Inflammation, Lymphocytic: Increased numbers of lymphocytes are present in the interstitial connective tissue of the pars distalis.

Prostate Gland

- Hemorrhage: Self-explanatory
- Inflammation, Acute: Neutrophils are present in the interstitial tissue and in the epithelium and lumens of the glands.
- Inflammation, Lymphocytic: Increased numbers of lymphocytes, individually and in small aggregates, are confined to the interstitial connective tissue and occasionally the glandular epithelium.
- Inflammation, Purulent: One or more glandular lumens contains masses of neutrophils, degenerating neutrophils and debris.
- Mineralization: Small, mineralized foci, probably sloughed epithelial cells, are present in glandular lumens.
- Necrosis: Necrotic cells, probably epithelial, are present in one or more glandular lumens.

Testes

- Degeneration, Seminiferous Tubules: Loss of germinal epithelium, with local aspermatogenesis. Sertoli cells remain.
- Hyperplasia, Interstitial Cell: Self-explanatory.
- Inflammation, Lymphocytic, Tunica Albuginea: An infiltrate of lymphocytes is present in the tunica albuginea.

Thymus

- Acute Hemorrhage: Self-explanatory.

Urinary Bladder

- Inflammation, Lymphocytic: The submucosal connective tissue is infiltrated with increased numbers of lymphocytes, individually or in small aggregates.

Uterus

- Dilated Lumen: Self-explanatory.



--Hemorrhage/Hematoma: Self-explanatory.

--Inflammation, Lymphocytic: Infiltration of the submucosa and mucosa with lymphocytes.

--Inflammation, Suppurative: The lumen contains masses of neutrophils, degenerate neutrophils, and debris.

--Lymphoid Aggregates: Self-explanatory.

--Pigment in Macrophages: Groups of macrophages contain yellow-brown, refractile, granular, isotropic pigment, probably lipofuscin and/or ceroid.

#### Vagina

--Hemorrhage: Self-explanatory.

--Inflammation, Acute, Serosa: There is an infiltration of neutrophils in the adventitial connective tissue.

--Inflammation, Lymphocytic: Infiltration of the submucosa and mucosa with lymphocytes.

--Inflammation, Subacute: The submucosa is infiltrated by lymphocytes, neutrophils, and a few macrophages.

#### Vulva

--Inflammation, Lymphocytic: Infiltration of the submucosa and/or mucosa with lymphocytes.



## Distribution List

Commander  
US Army Biomedical Research and  
Development Laboratory (12)  
ATTN: SGRD-UBZ-C  
Fort Detrick, Frederick, MD 21701-  
5010

Defense Technical Information Center  
(DTIC) (2)  
ATTN: DTIC-DLA  
Cameron Station  
Alexandria, VA 22304-6145

US Army Medical Research and  
Development Command (2)  
ATTN: SGRD-RMI-S  
Fort Detrick, Frederick, MD 21701-  
5012

Commandant  
Academy of Health Sciences, US Army  
ATTN: AHS-CDM  
Fort Sam Houston, TX 78234

Chief  
USAEHA Regional Division, West  
Fitzsimmons AMC  
Aurora, CO 80045

Chief  
USAEHA Regional Division, North  
Fort George G. Meade, MD 20755

Chief  
USAEHA Regional Division, South  
Bldg. 180  
Fort McPherson, GA 30330

Commander  
USA Health Services Command  
ATTN: HSPA-P  
Fort Sam Houston, TX 78234

Commander US Army Materiel  
Command  
ATTN: AMSCG  
5001 Eisenhower Avenue  
Alexandria, VA 22333

Commander  
US Army Environmental Hygiene  
Agency  
ATTN: Librarian, HSDH-AD-L  
Aberdeen Proving Ground, MD 21010

Dean  
School of Medicine  
Uniformed Services University of the  
Health Sciences  
4301 Jones Bridge Road  
Bethesda, MD 20014

Commander  
US Army Materiel Command  
ATTN: AMCEN-A  
5001 Eisenhower Avenue  
Alexandria, VA 22333

HQDA  
ATTN: DASG-PSP-E  
Falls Church, VA 22041-3258

HQDA  
ATTN: DAEN-RDM  
20 Massachusetts, NW  
Washington, D.C. 20314

CDR, US Army Toxic and Hazardous  
Material Agency  
ATTN: DRXTH/ES  
Aberdeen Proving Ground, MD 21010

Commandant  
Academy of Health Sciences  
United States Army  
ATTN: Chief, Environmental  
Quality Branch  
Preventive Medicine Division  
(HSHA-IPM)  
Fort Sam Houston, TX 78234